EmisACET_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

kg/m2/s

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Zero throughout domain
kg/m2/s

Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ref and Dev equal throughout domain
unitless

Ratio
Dev/Ref, Fixed Range
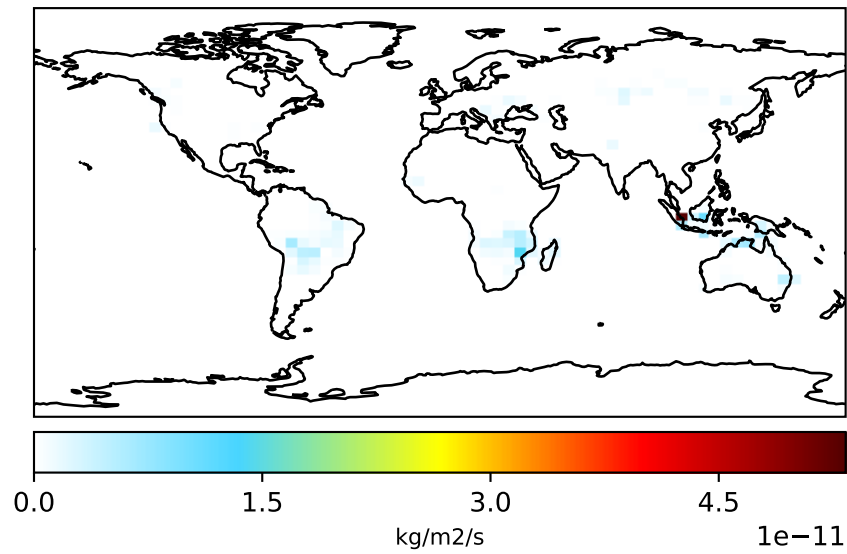
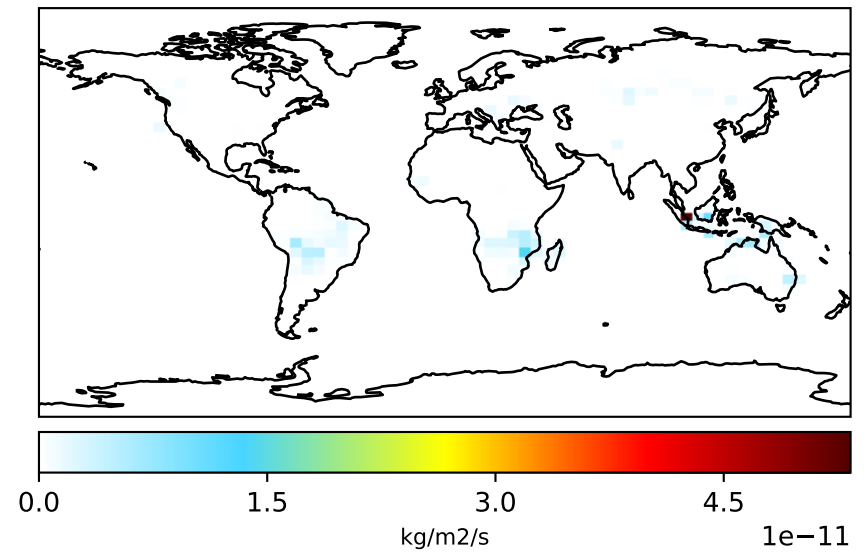Ref and Dev equal throughout domain
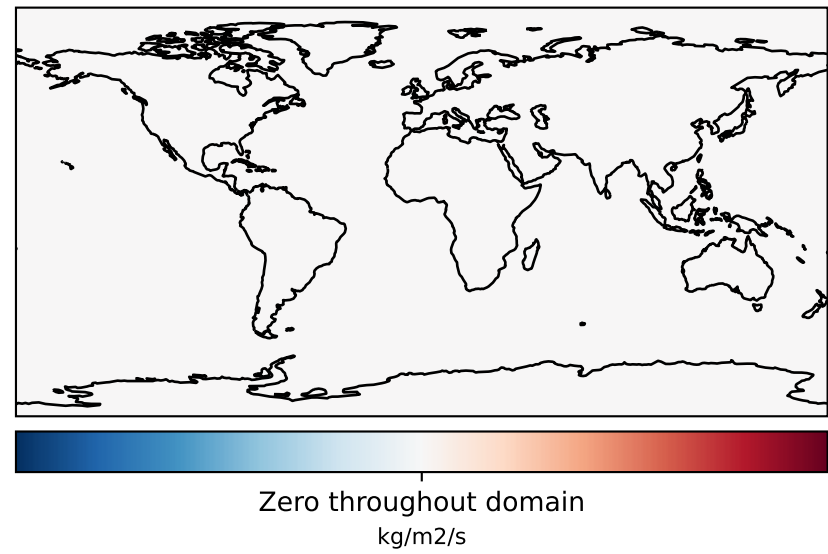unitless
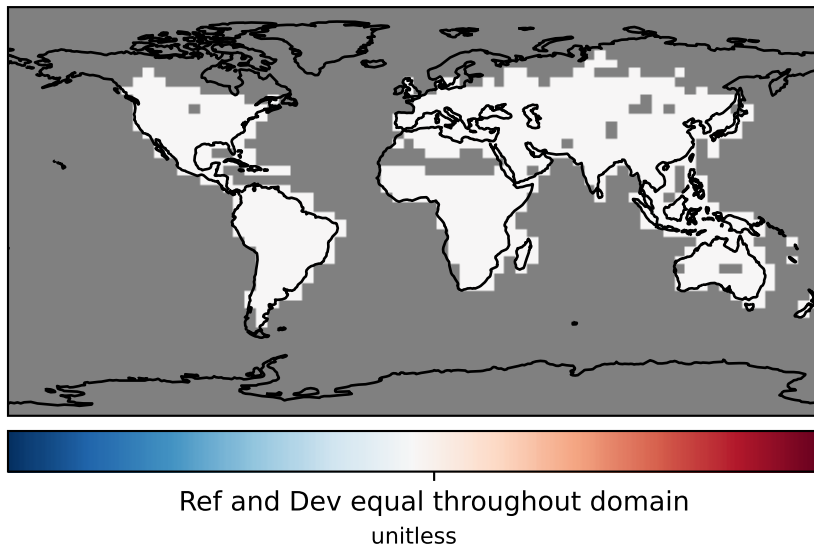
EmisACTA_BioBurn (Oct2019)
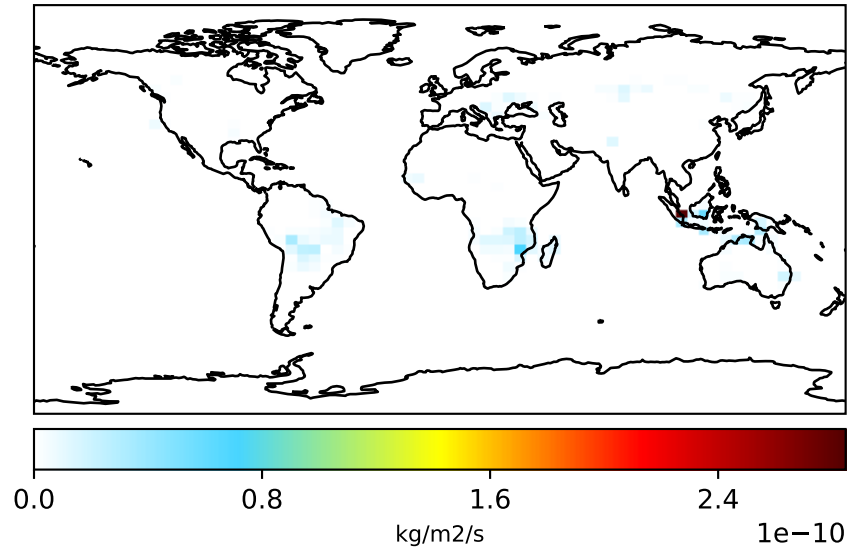
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range
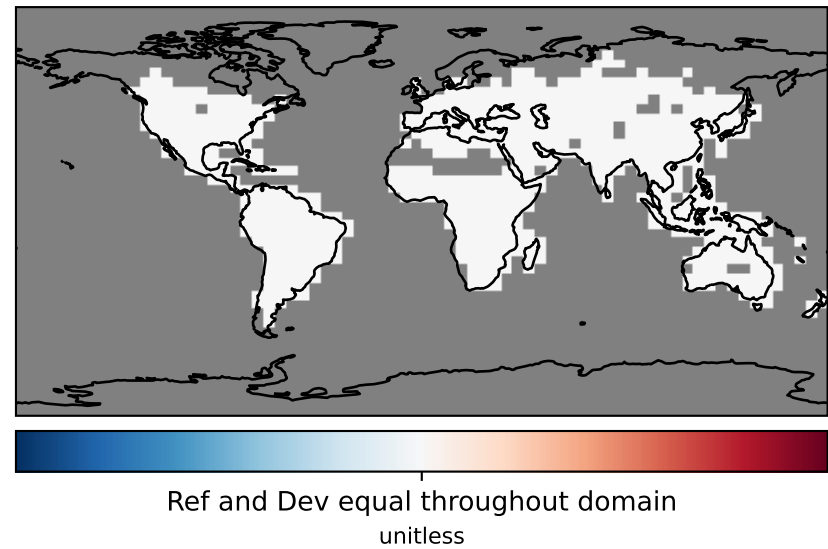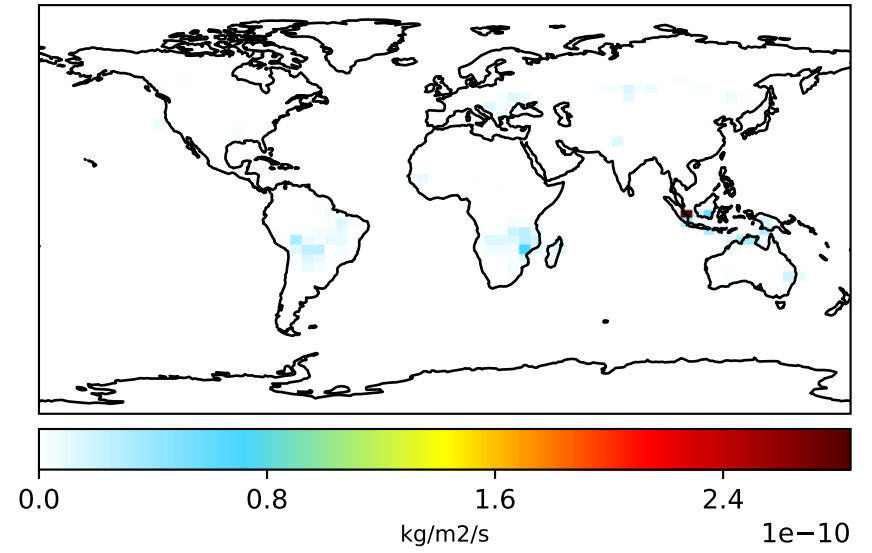
Difference
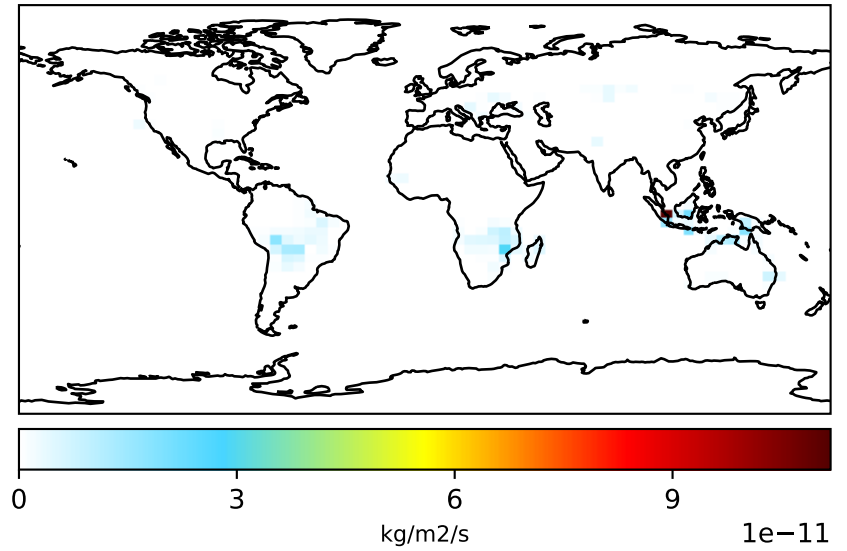Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
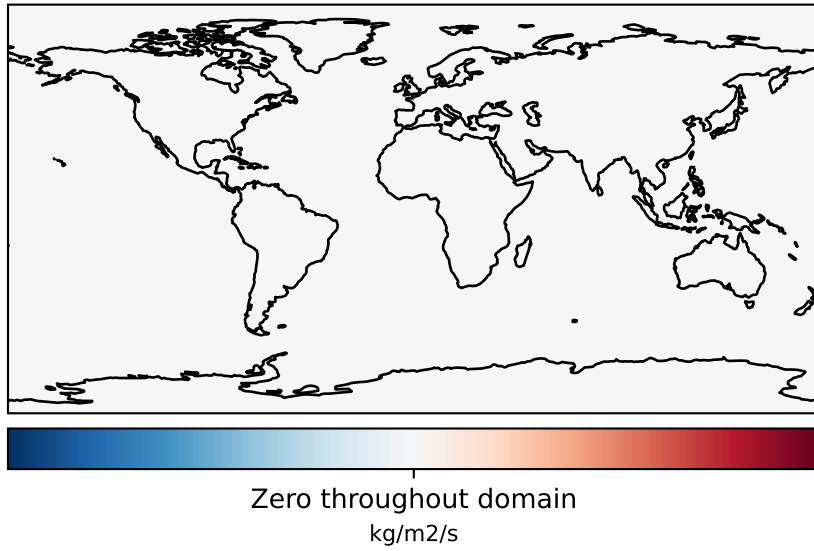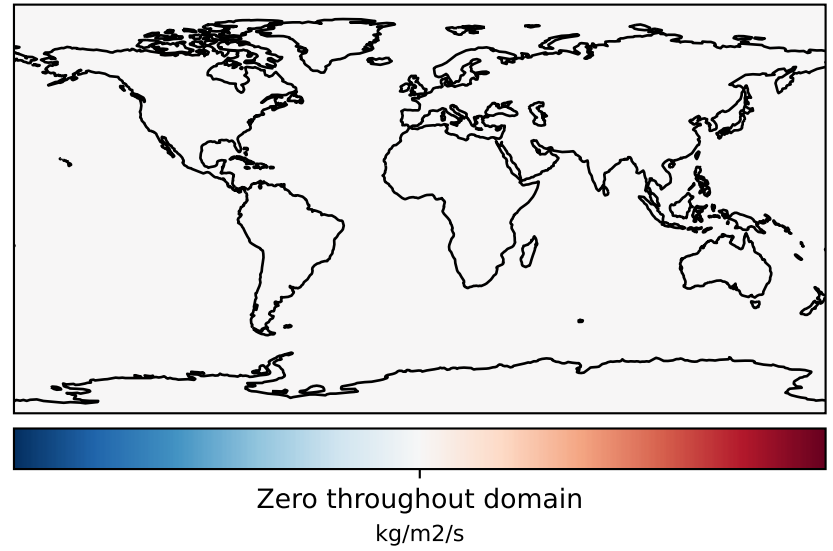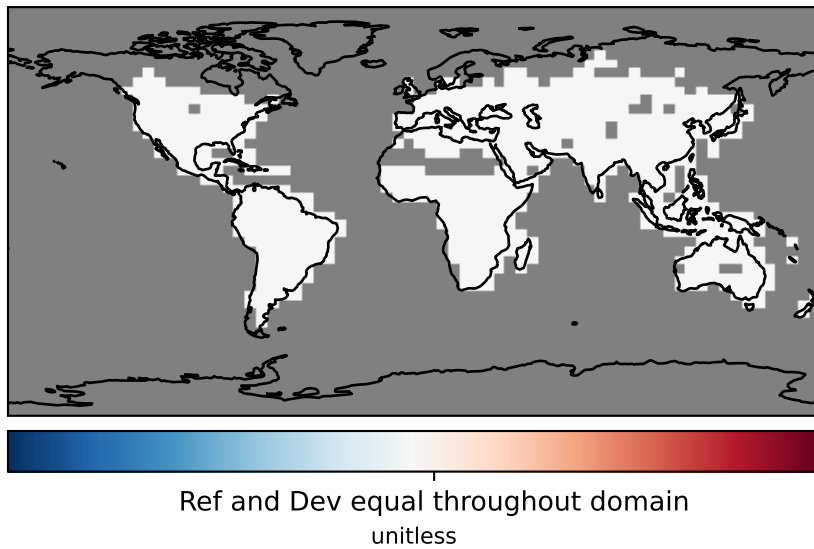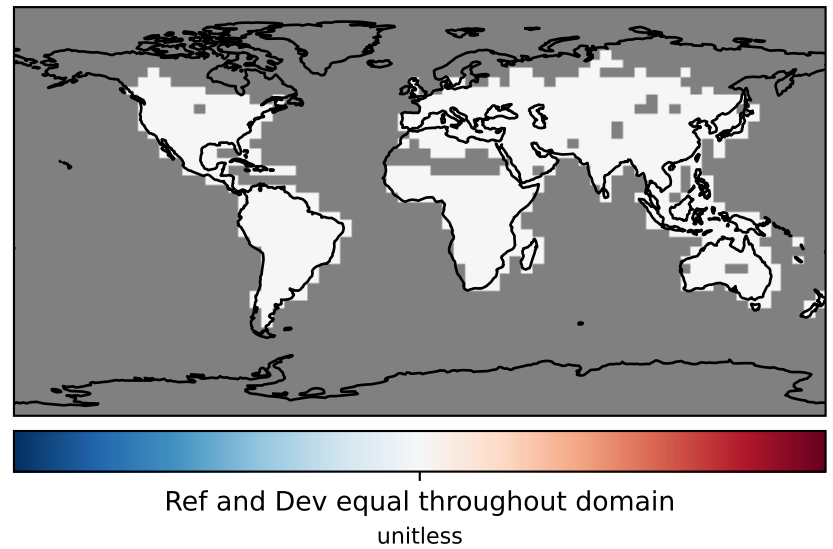
EmisALD2_BioBurn (Oct2019)
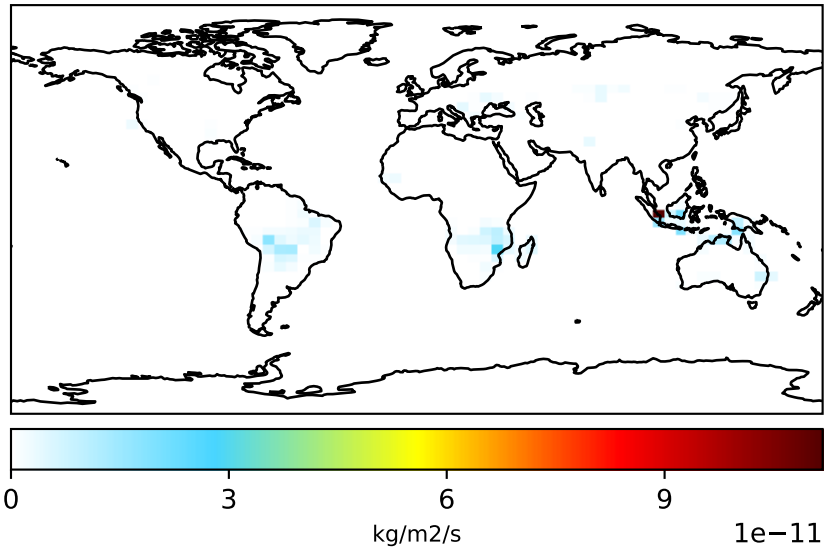
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s   1e−11

kg/m2/s   1e−11

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]
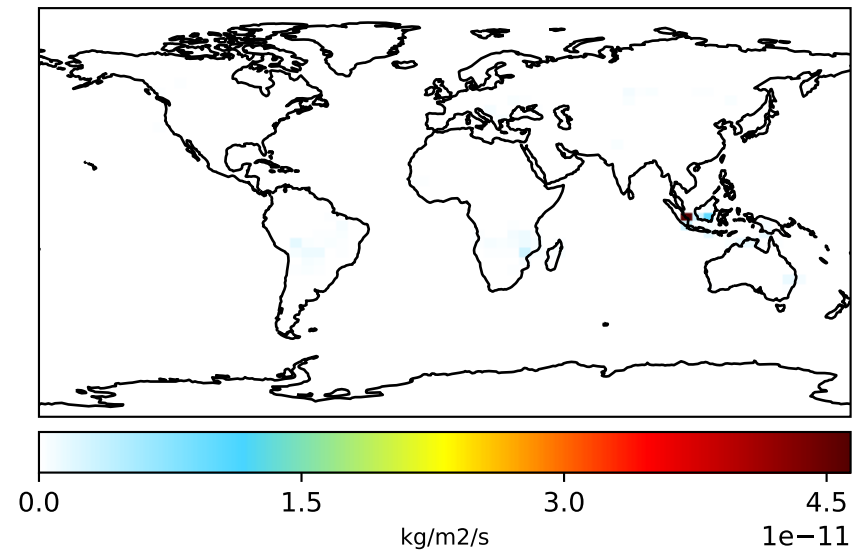
Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
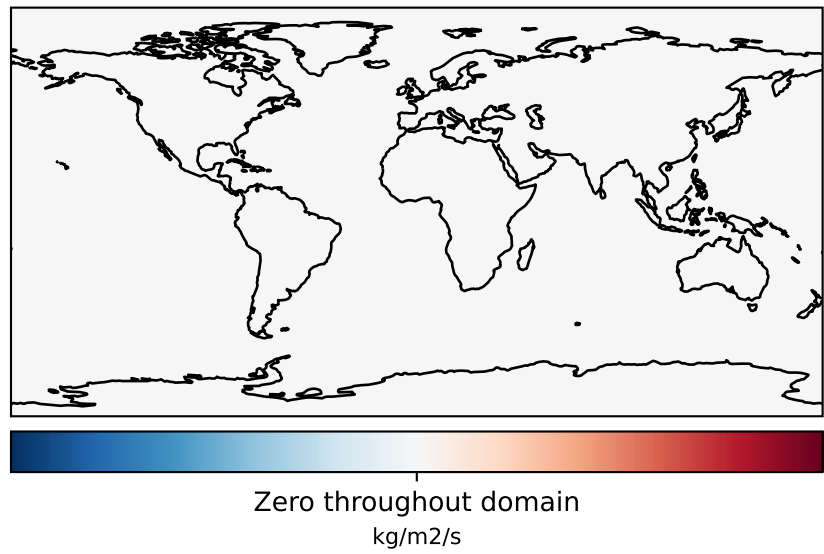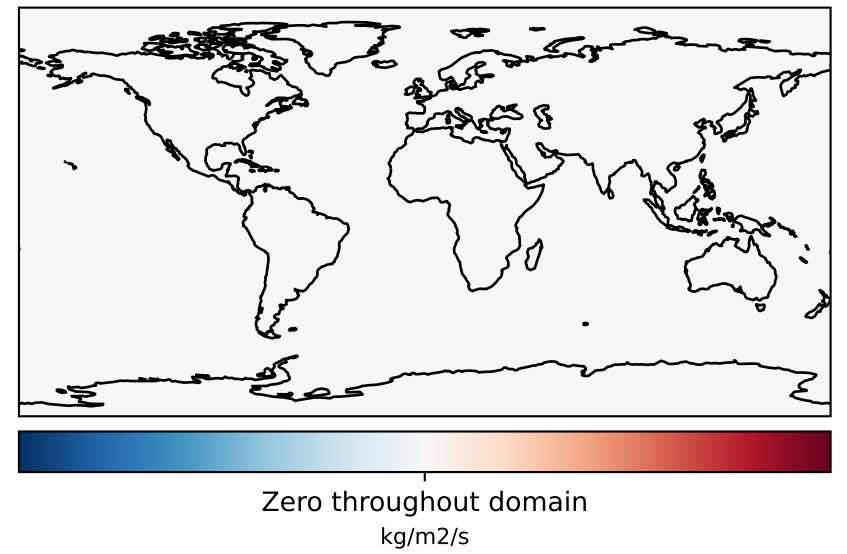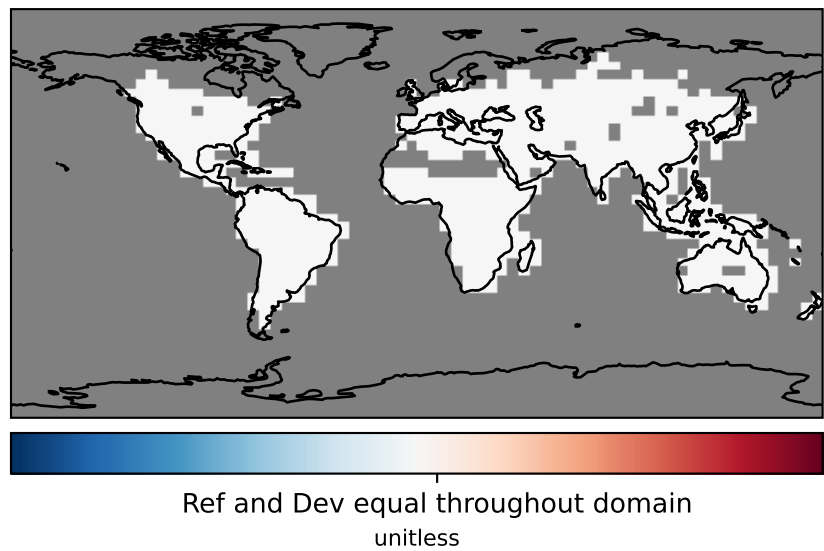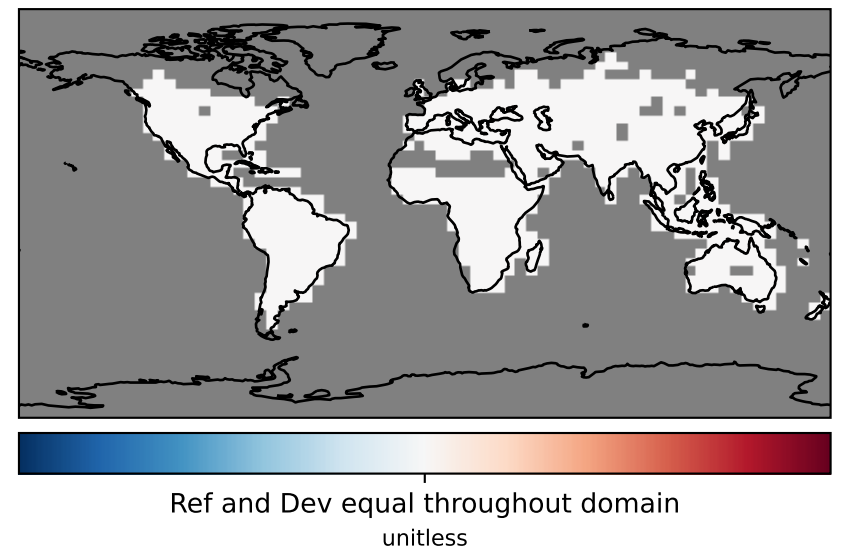
EmisALK4_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
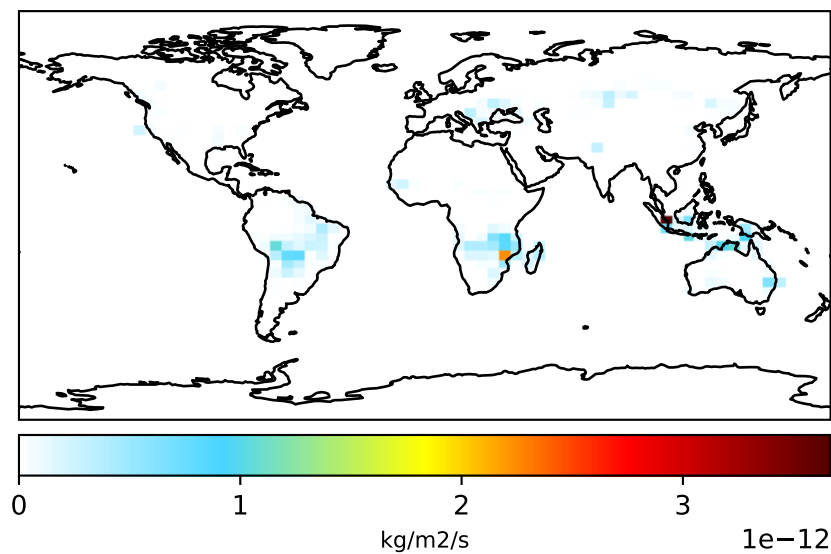Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

EmisBCPI_BioBurn (Oct2019)

EmisBCPO_BioBurn (Oct2019)
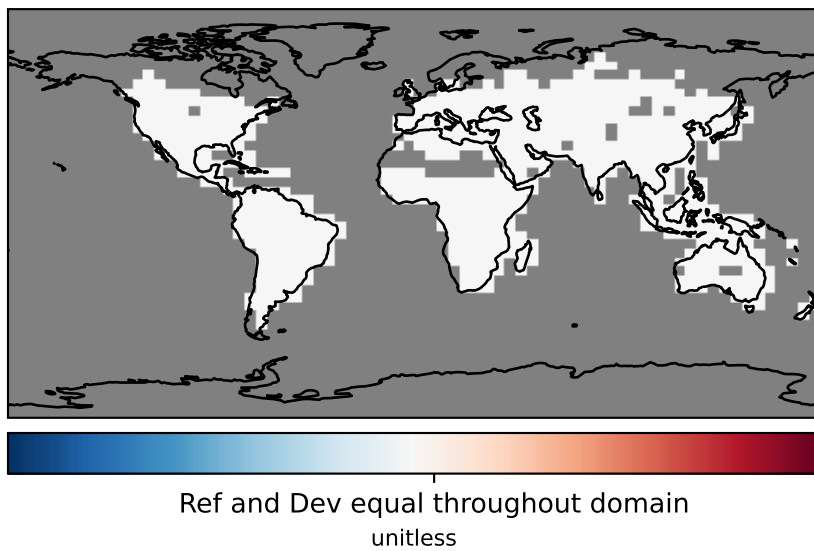
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0
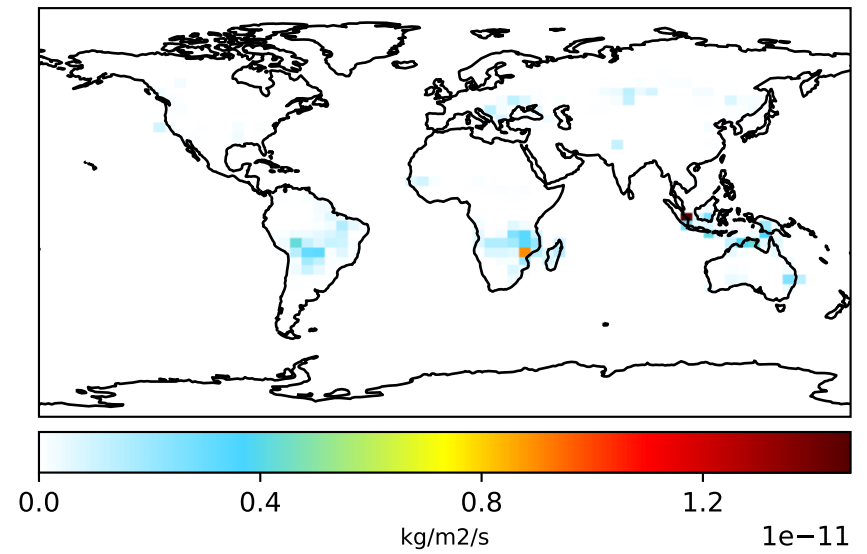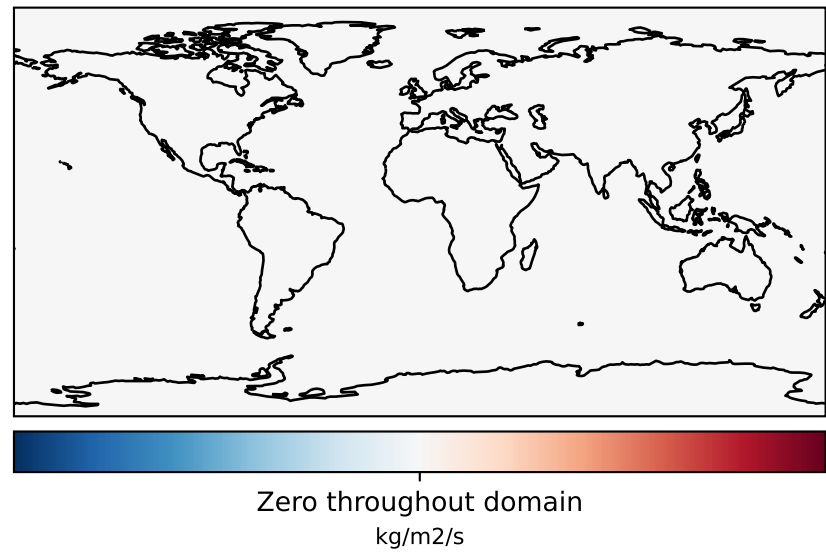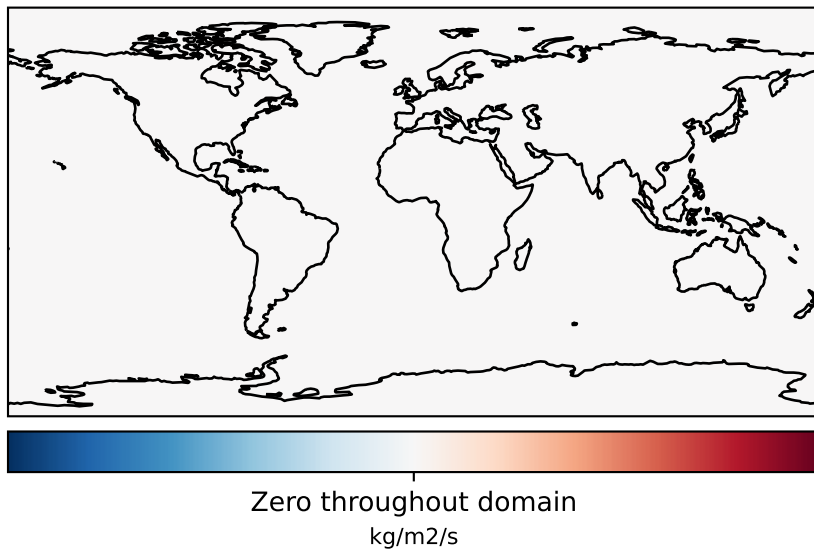
kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]
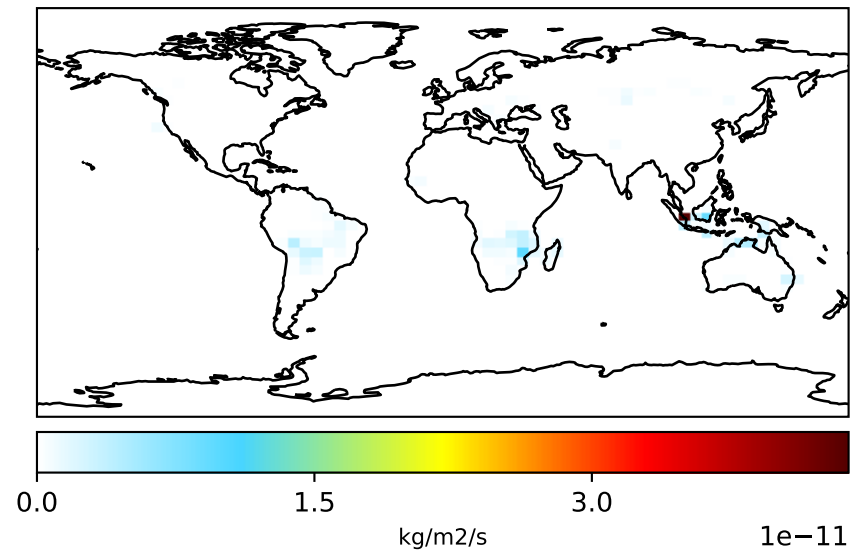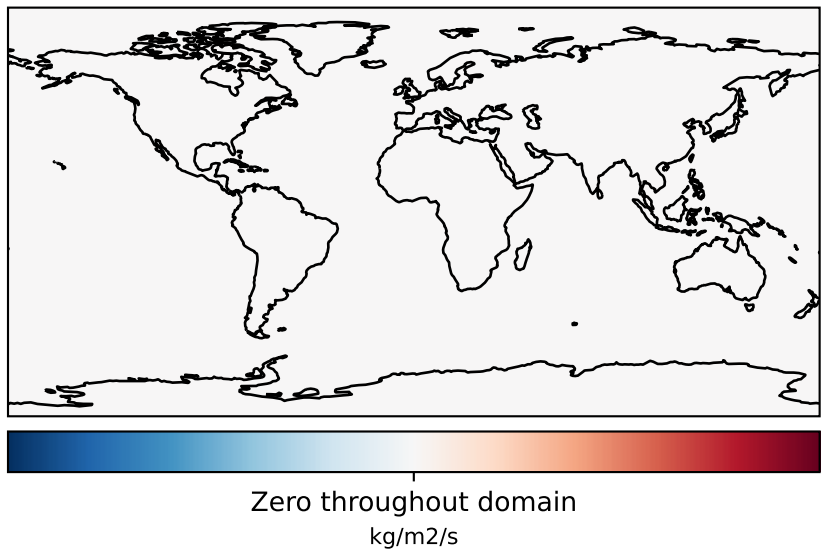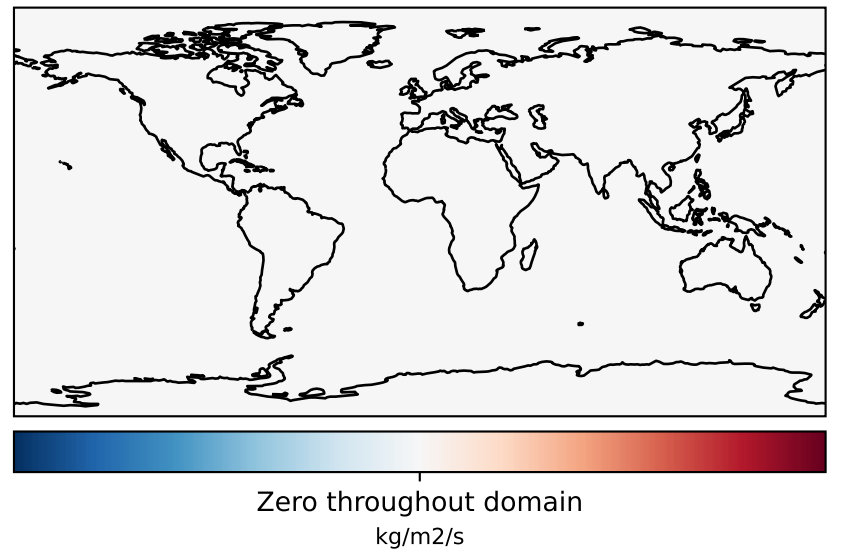
Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless
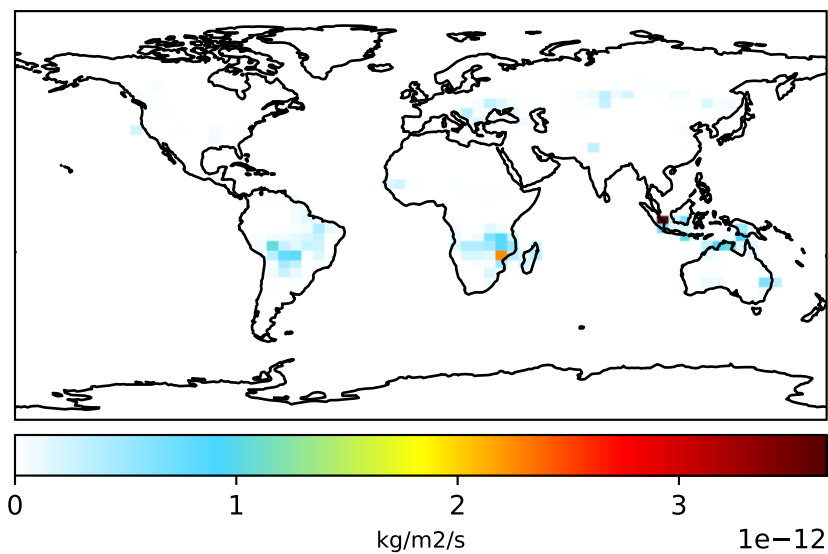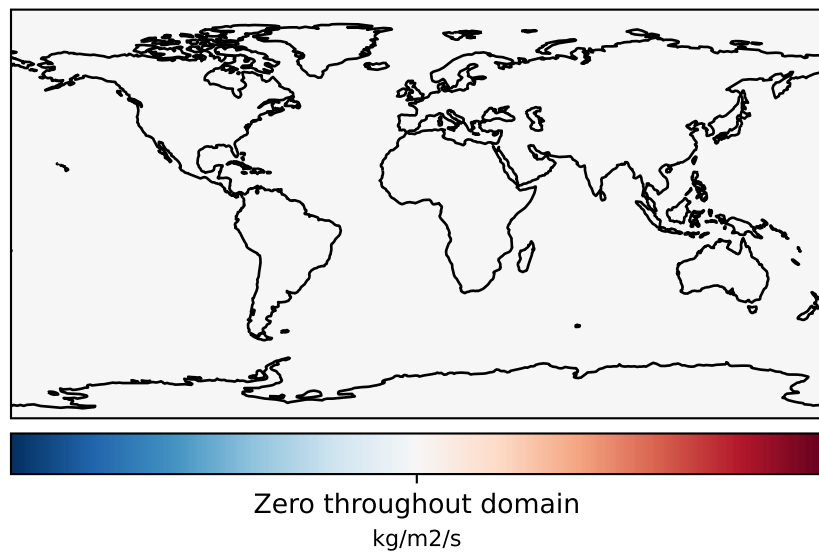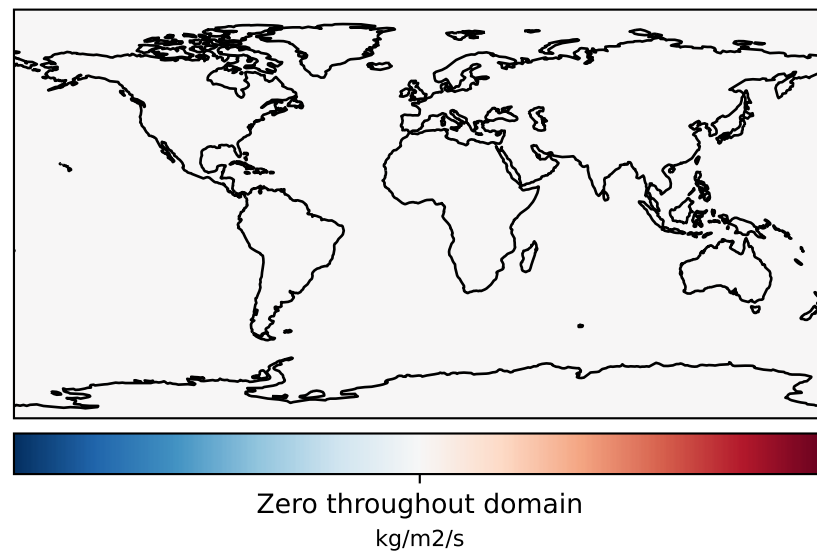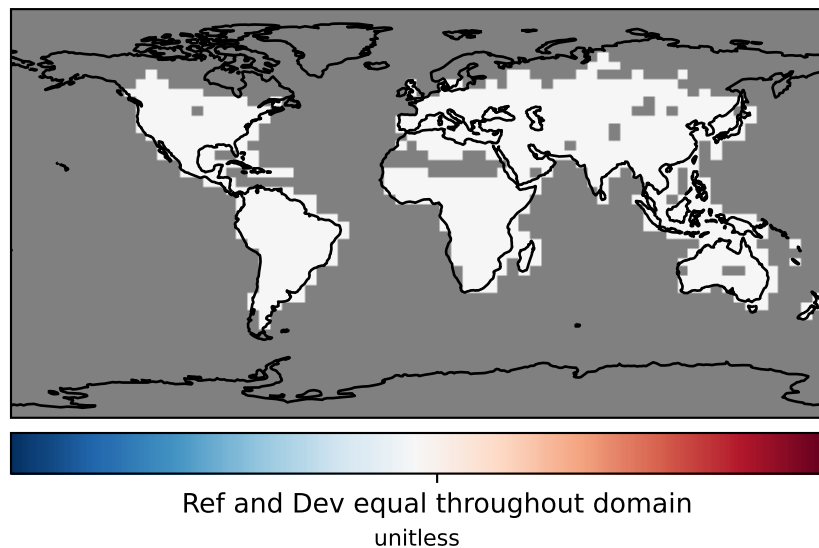
EmisBENZ_BioBurn (Oct2019)
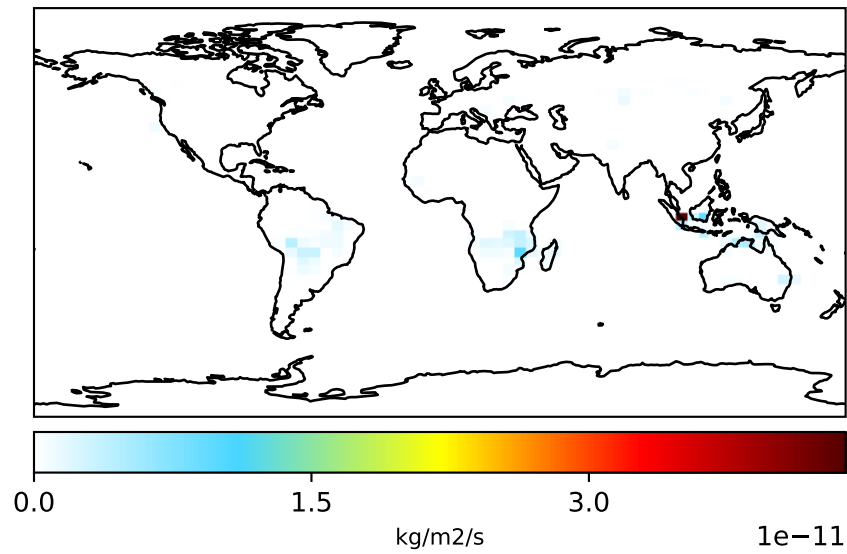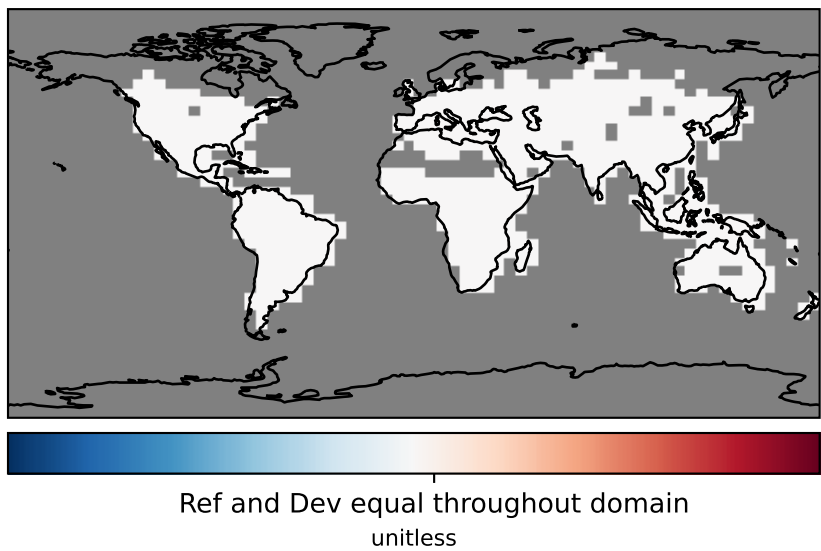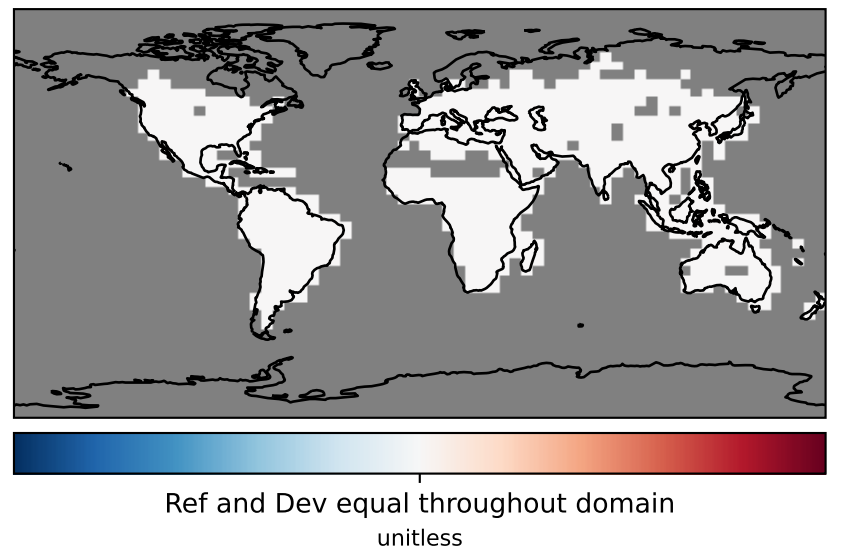
EmisC2H2_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
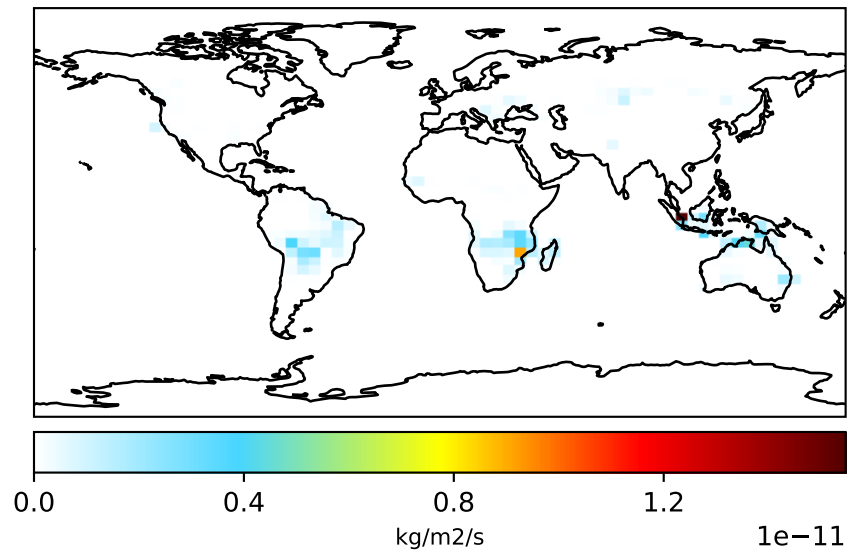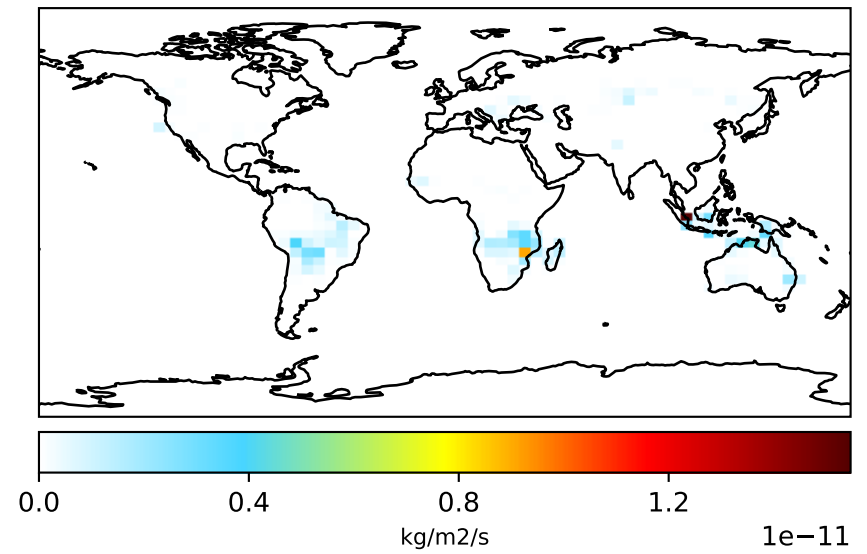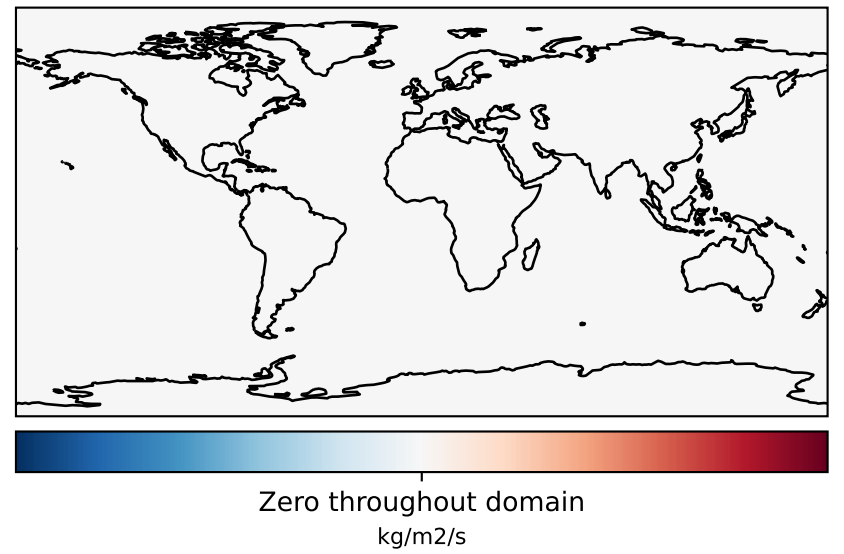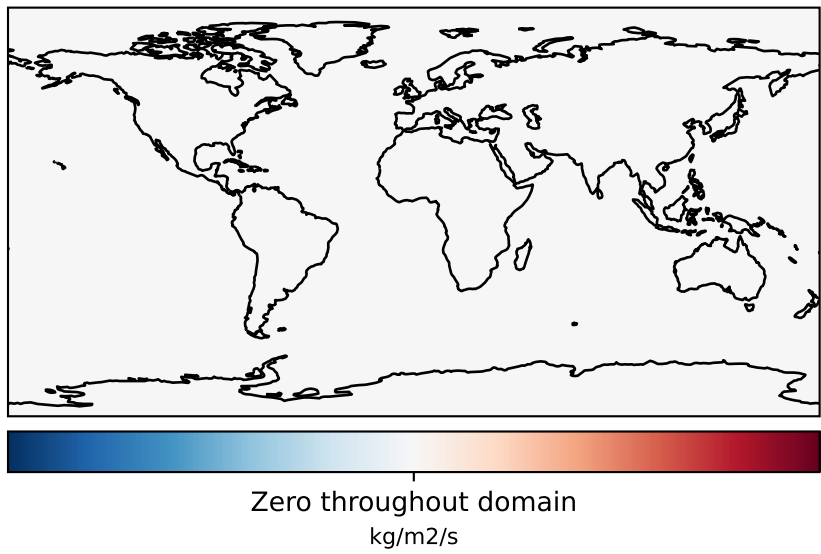kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
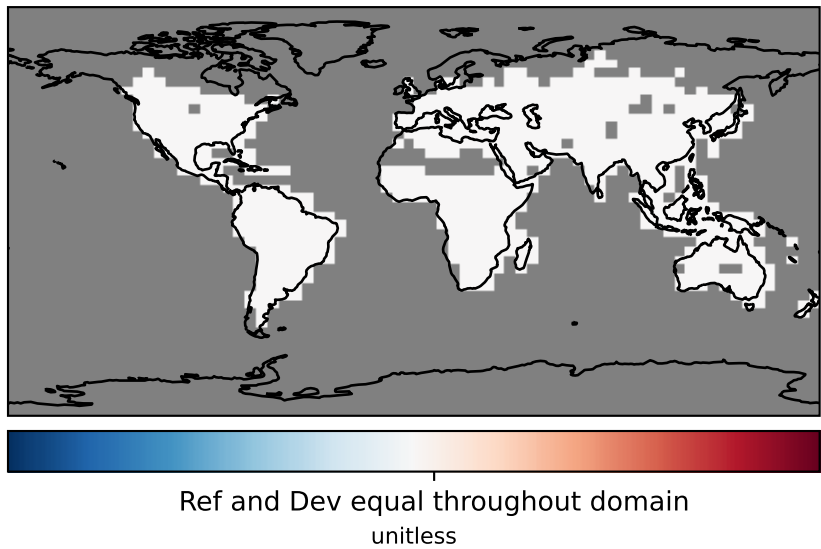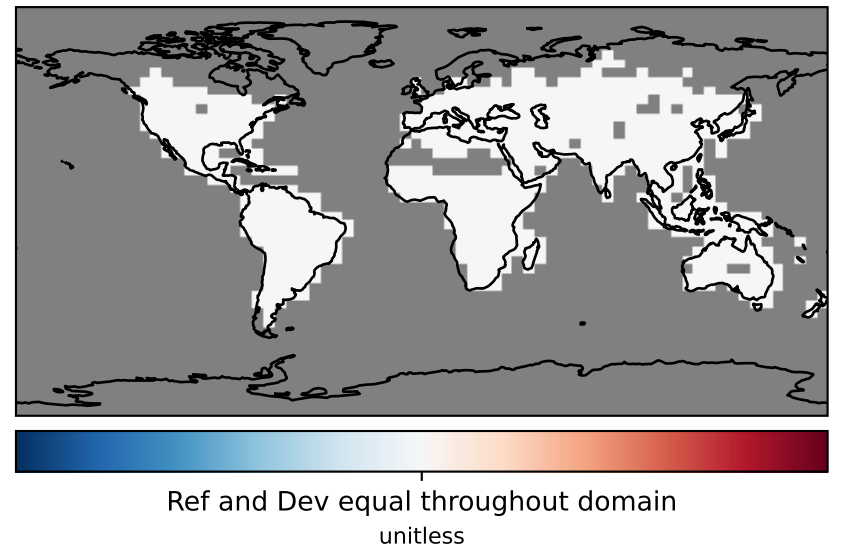
EmisC2H4_BioBurn (Oct2019)
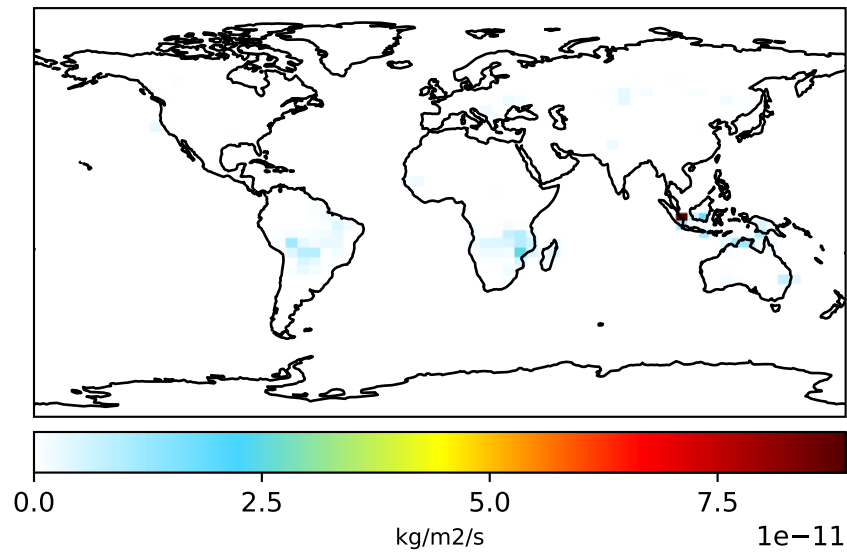
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range
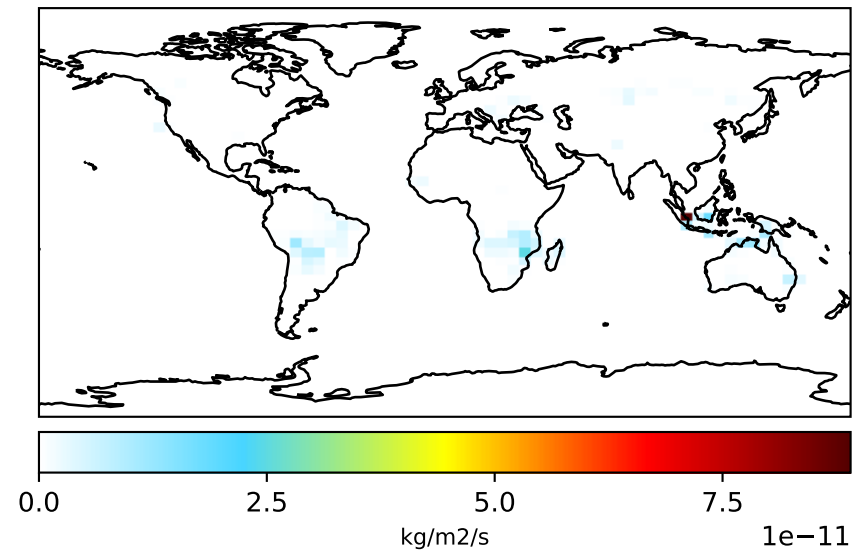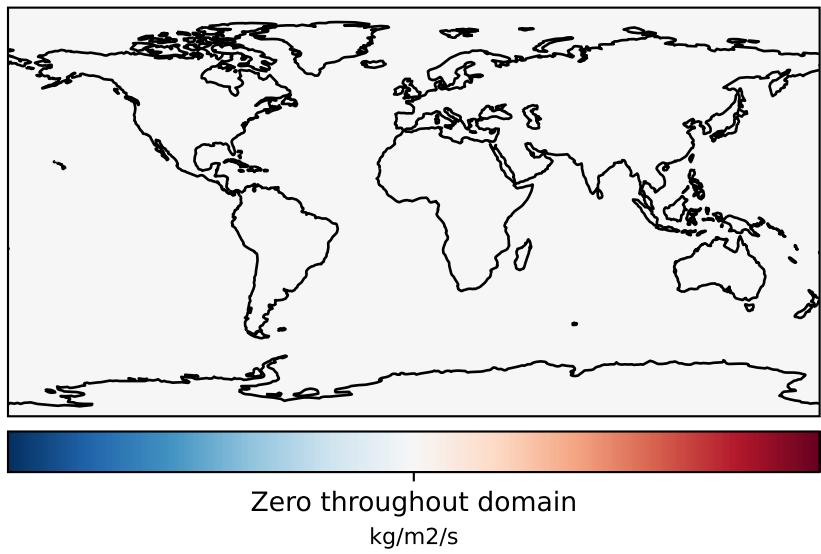
Difference
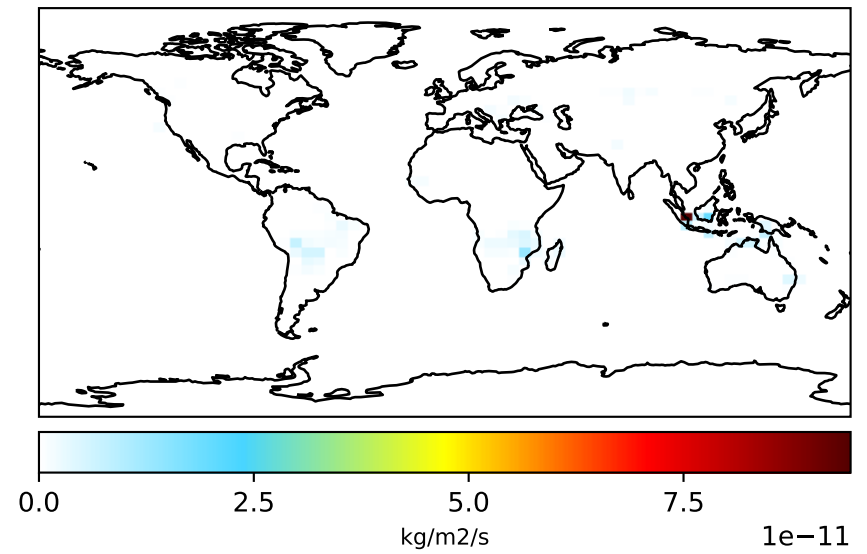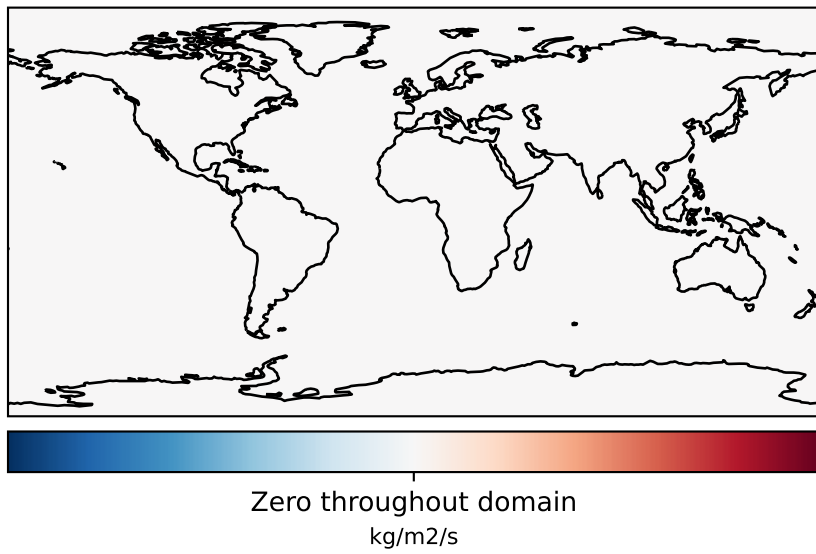Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
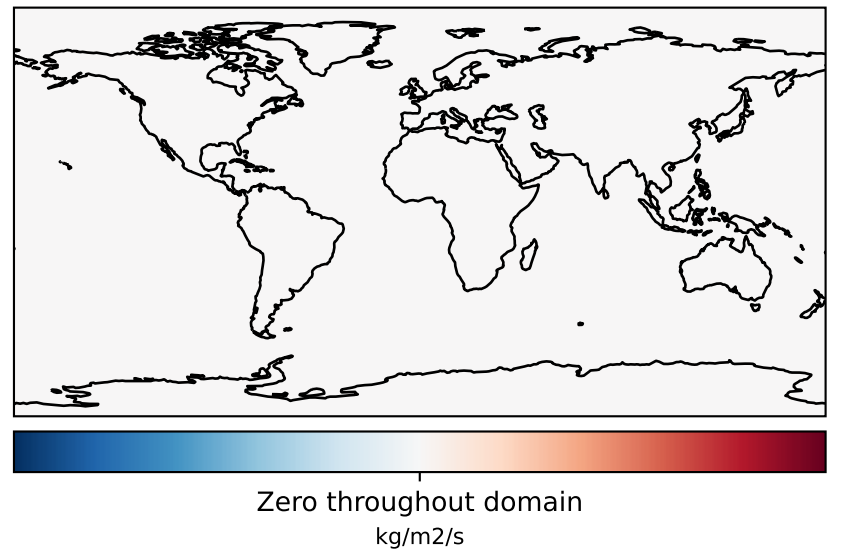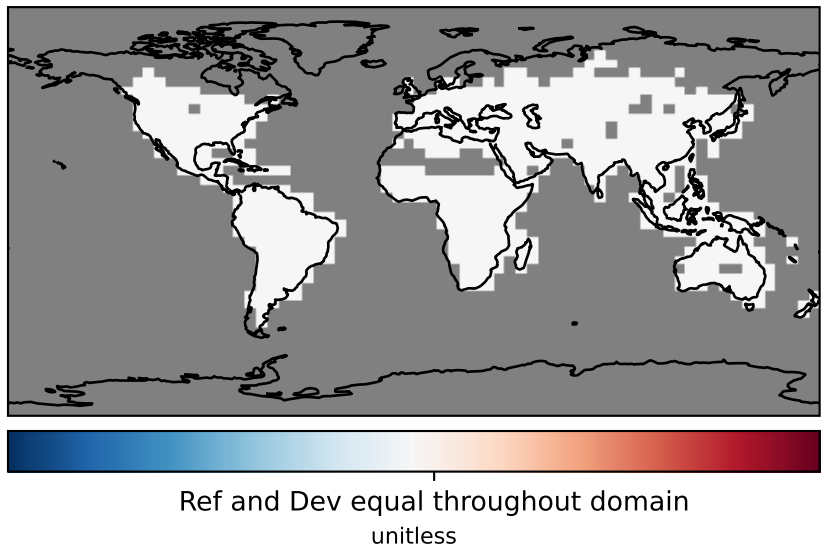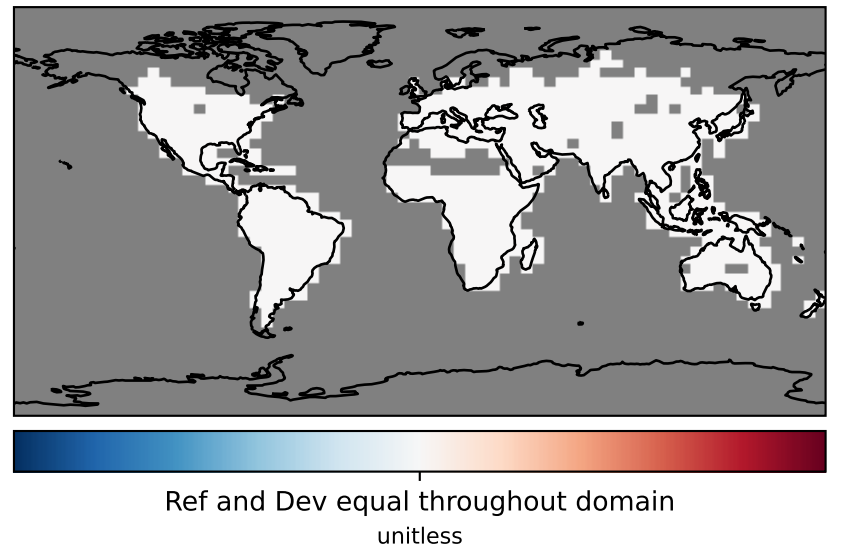
EmisC2H6_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
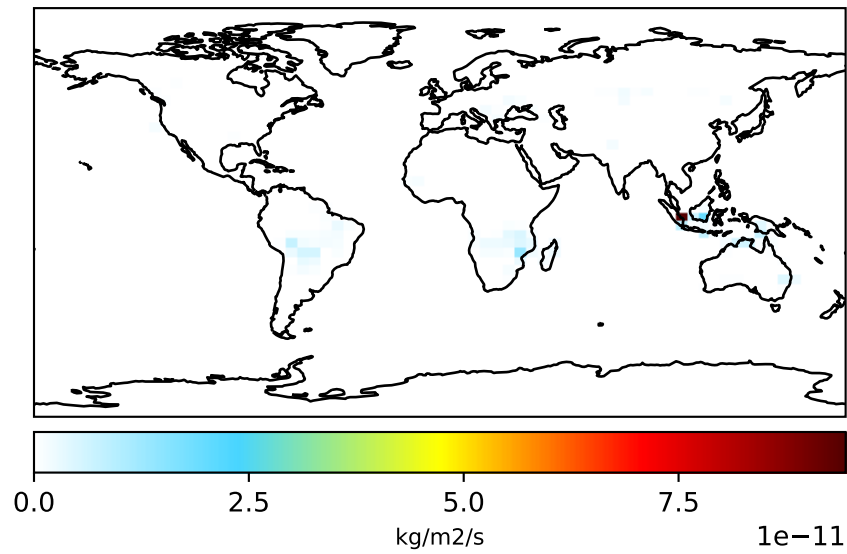
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s
1e−11

kg/m2/s
1e−11

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
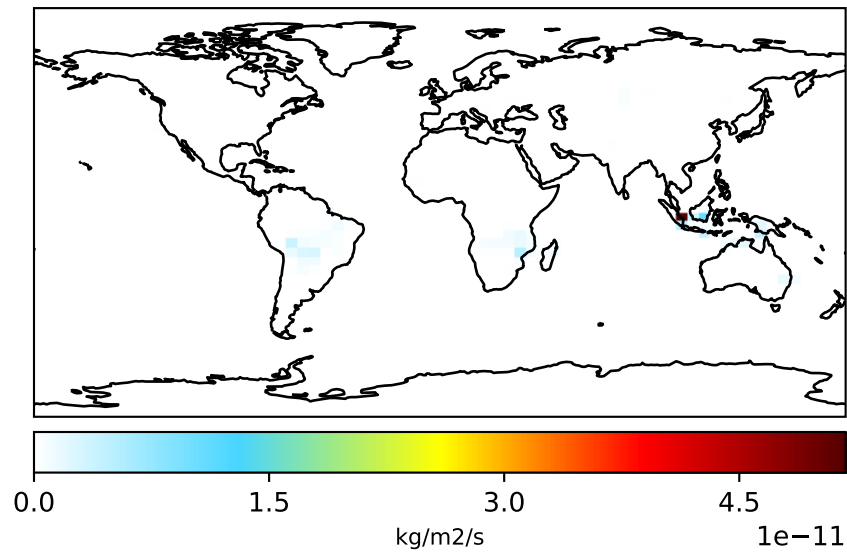unitless

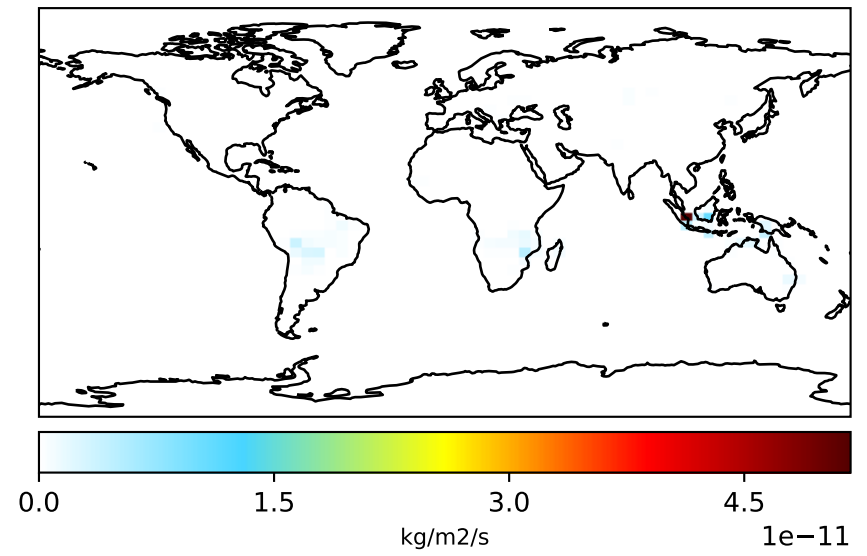Ref and Dev equal throughout domain
unitless
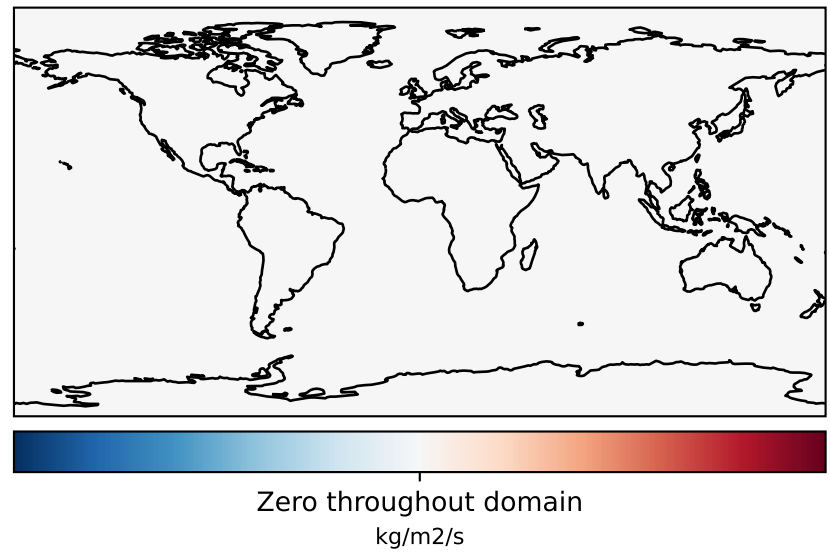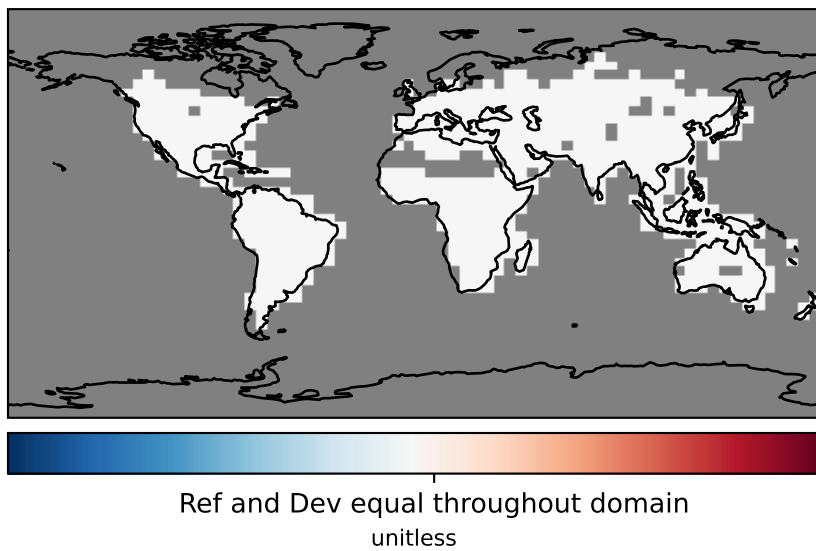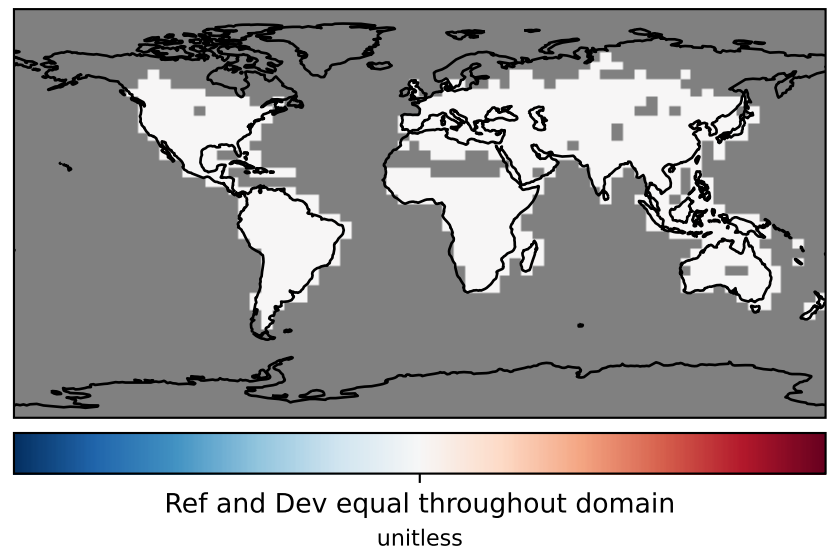
EmisC3H8_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
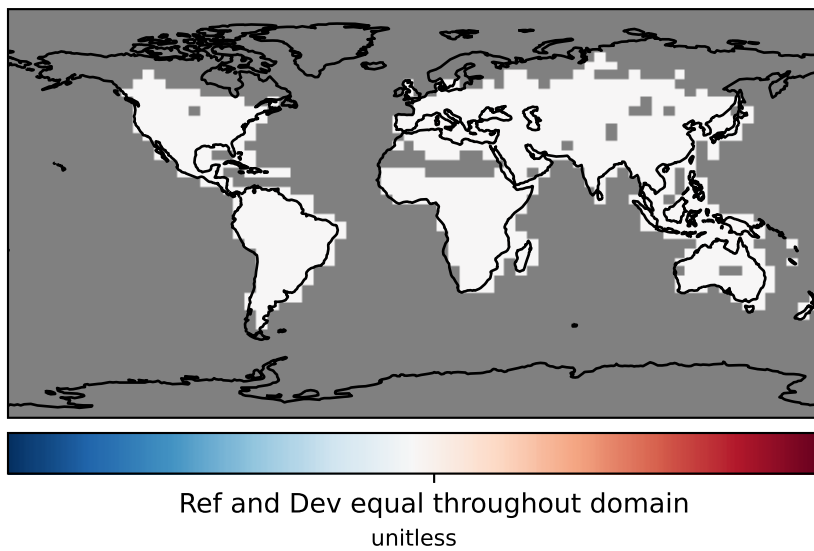
gcc-14.4.0-rc.0 (Dev)
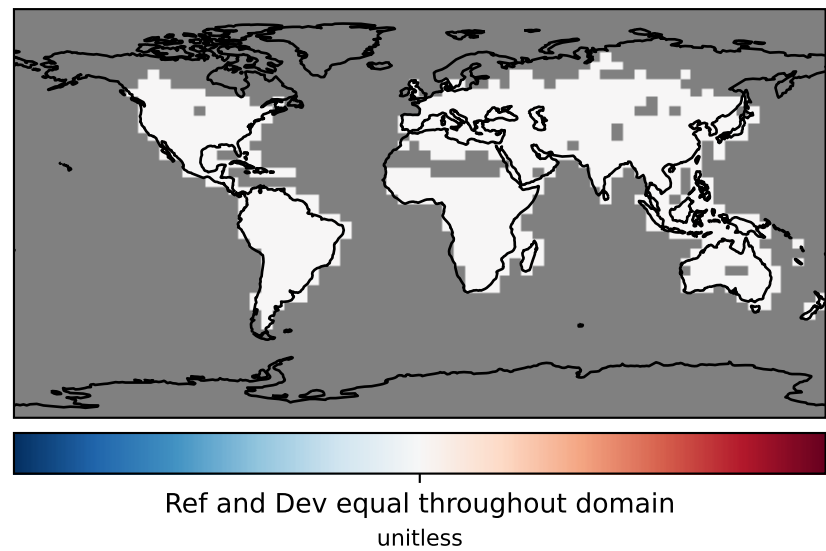4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range
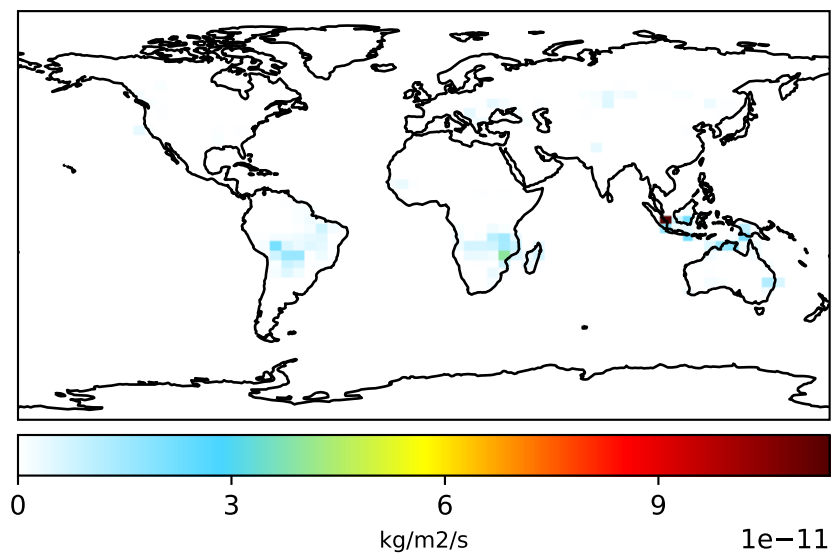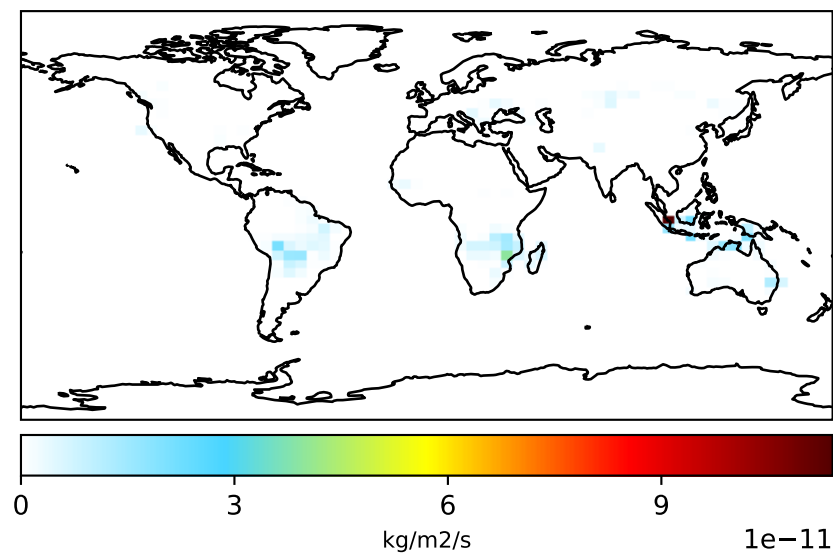
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

EmisCH2O_BioBurn (Oct2019)

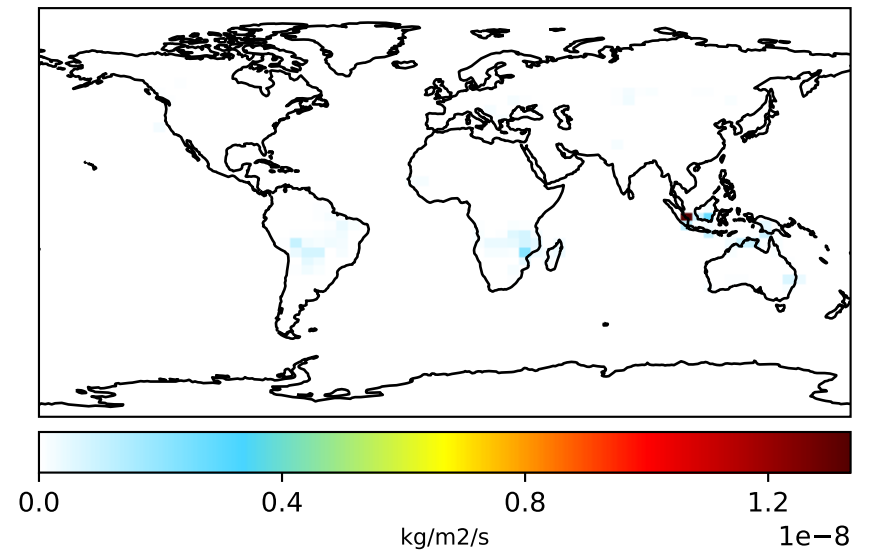gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
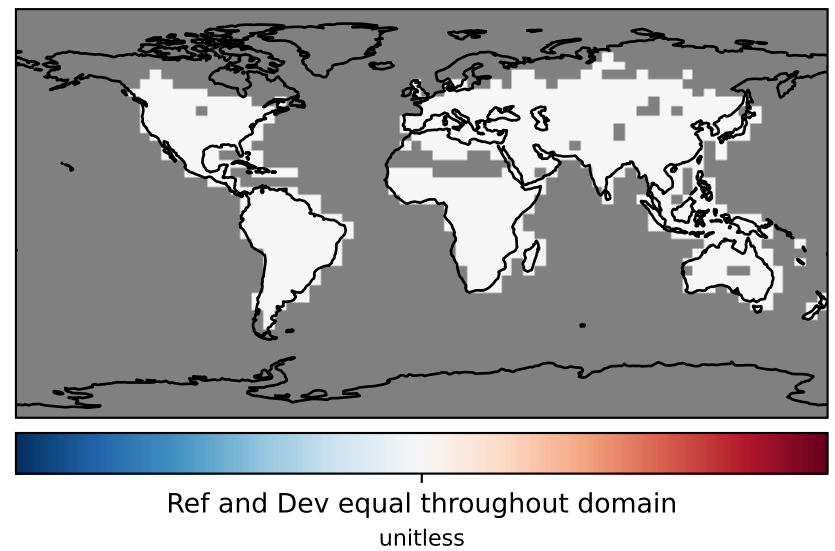Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
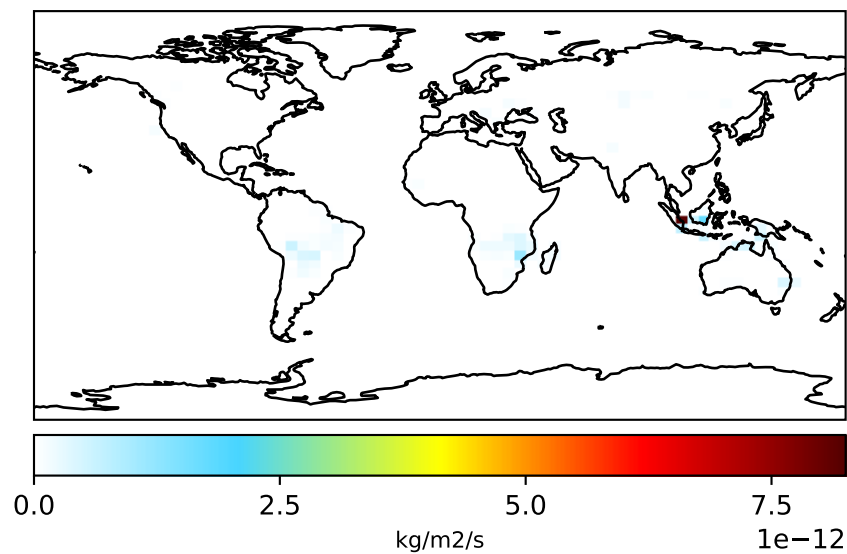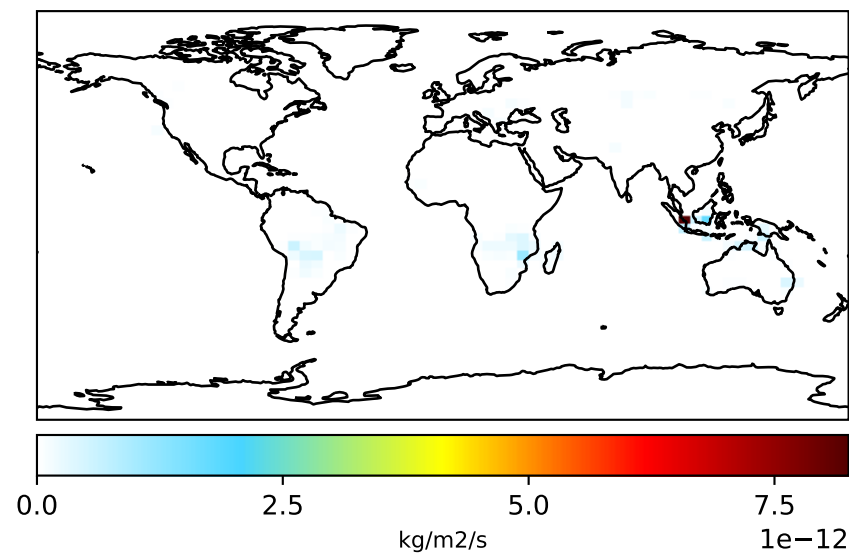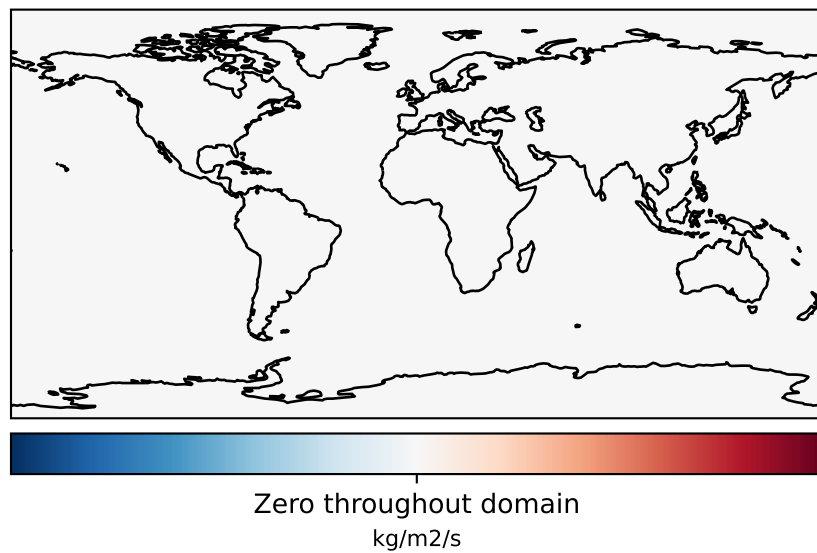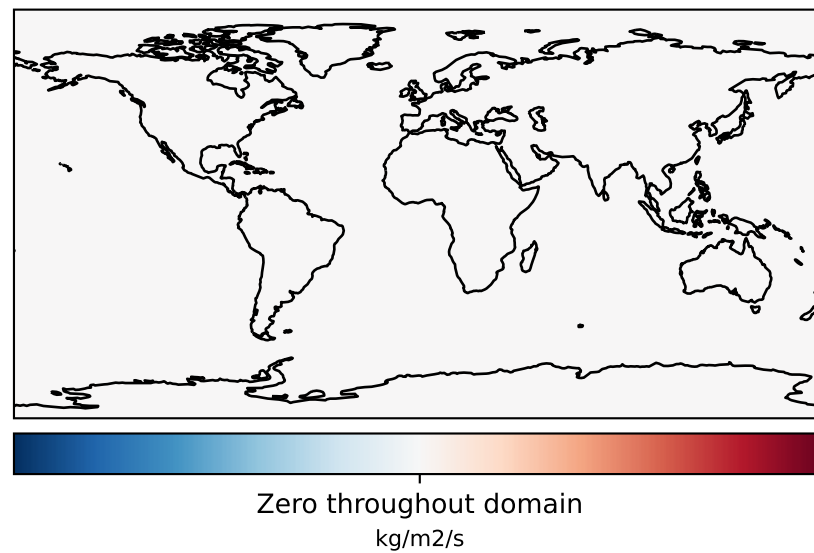kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

EmisCO_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]

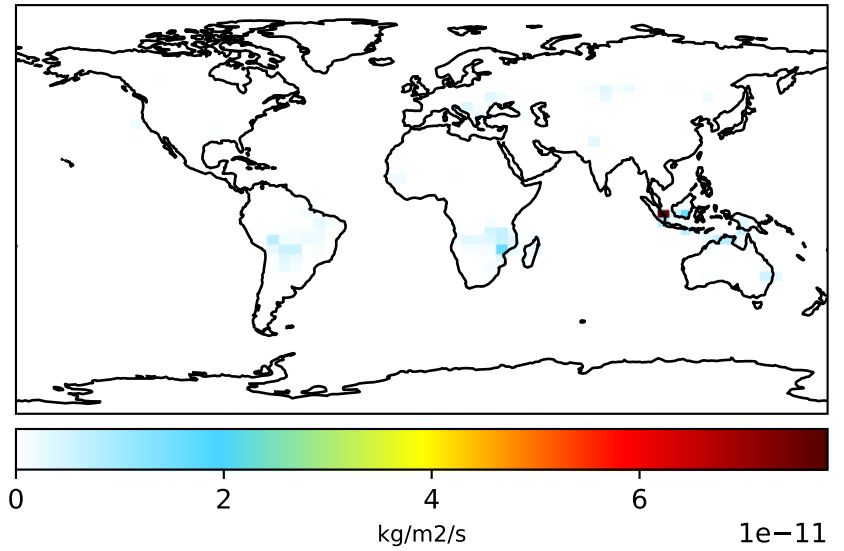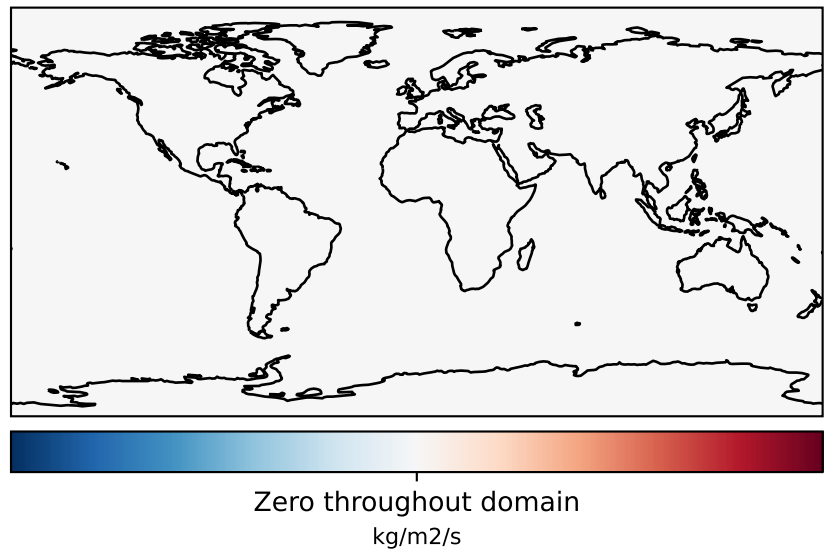Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless

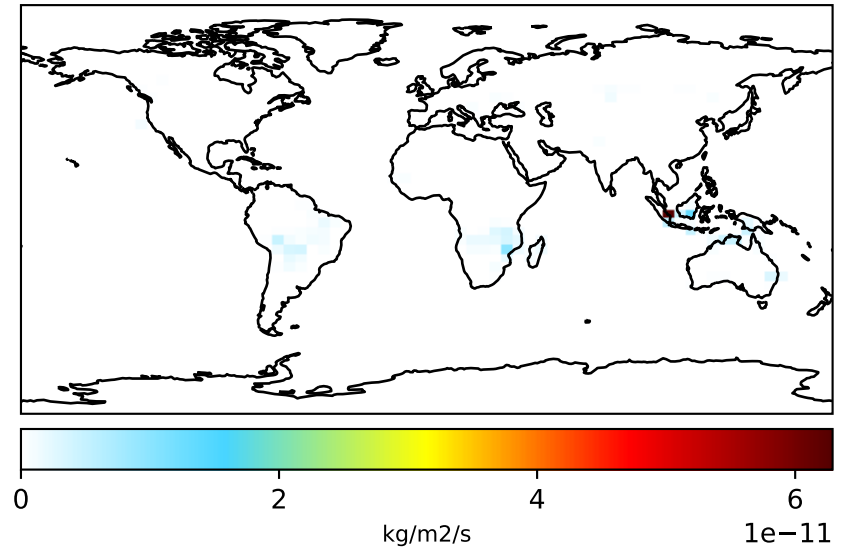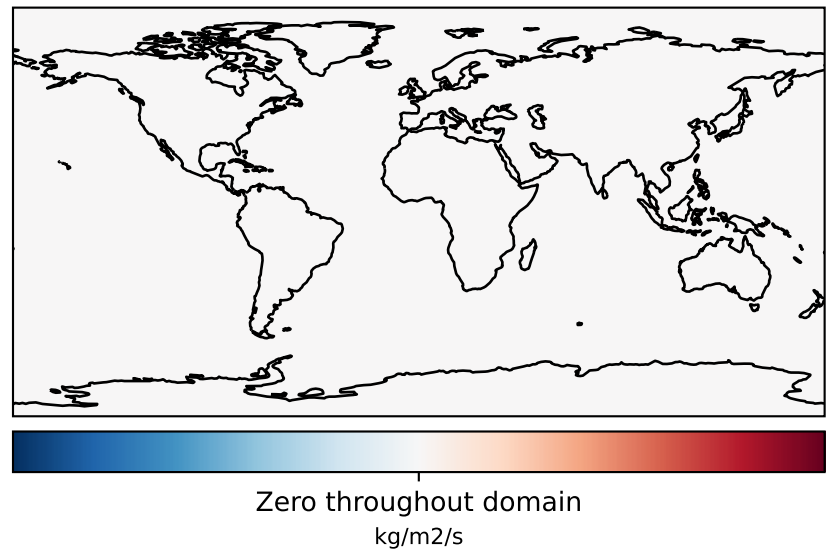# EmisEOH_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
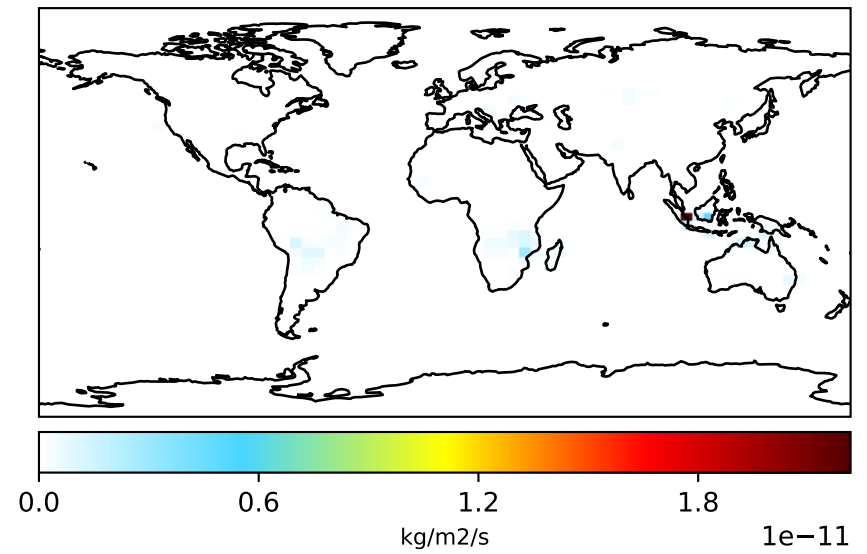Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
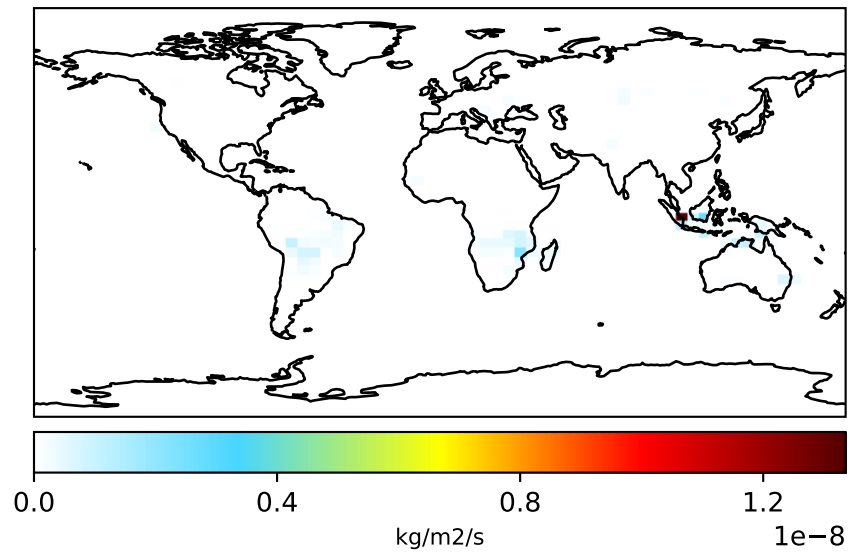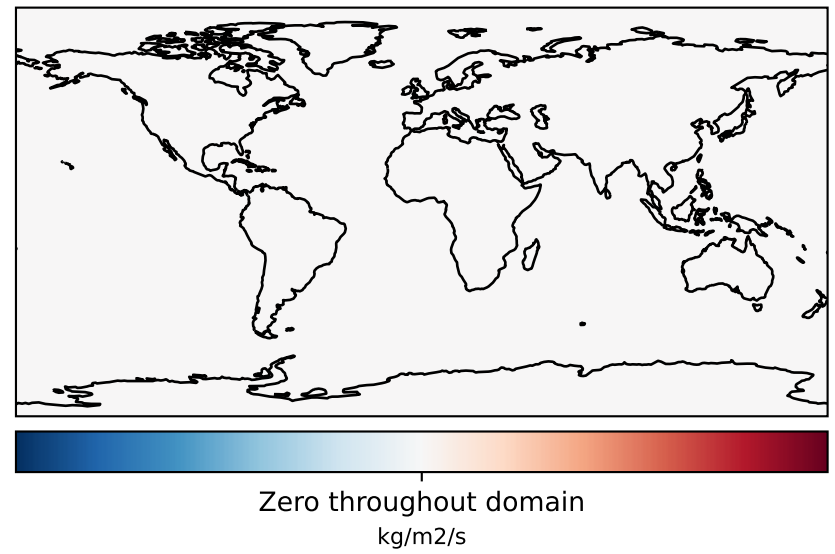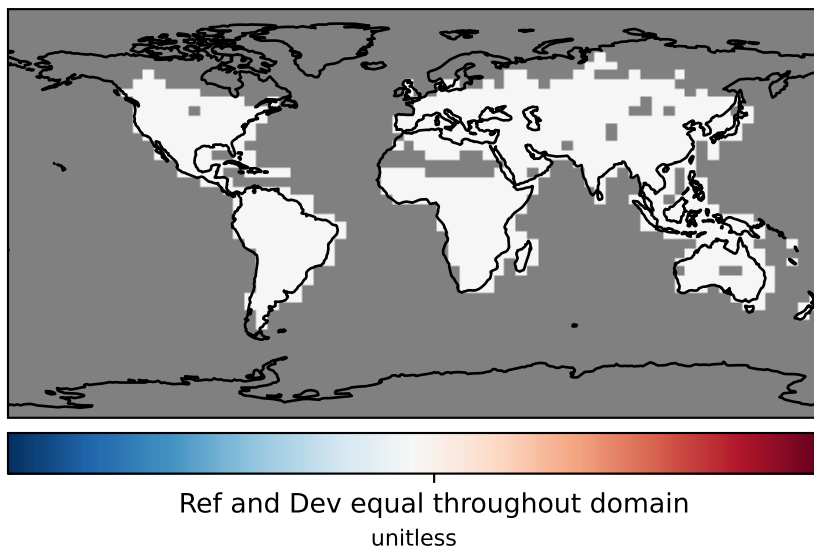
EmisFURA_BioBurn (Oct2019)
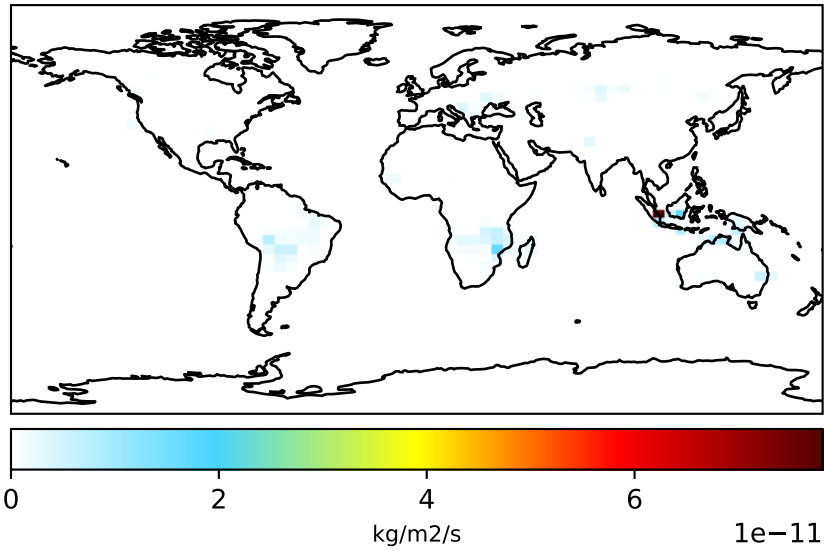
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

1e−11

kg/m2/s

1e−11

Difference
Dev - Ref, Dynamic Range
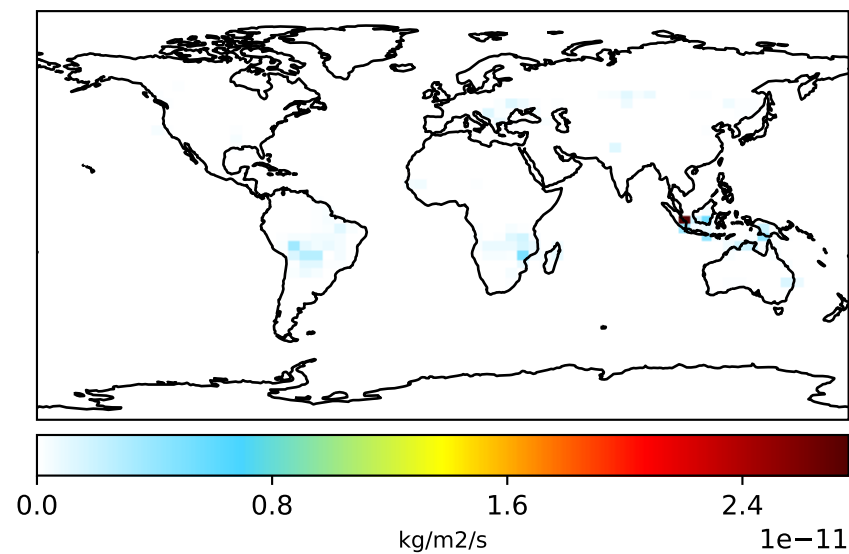
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
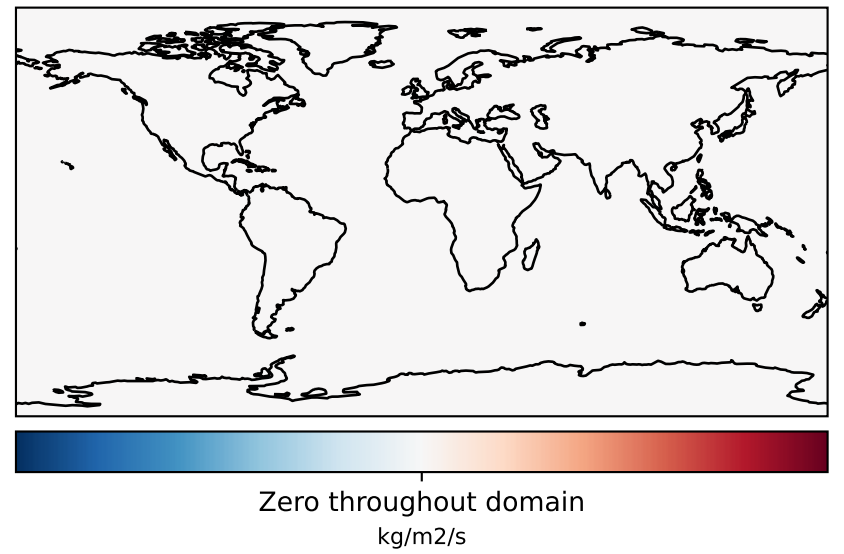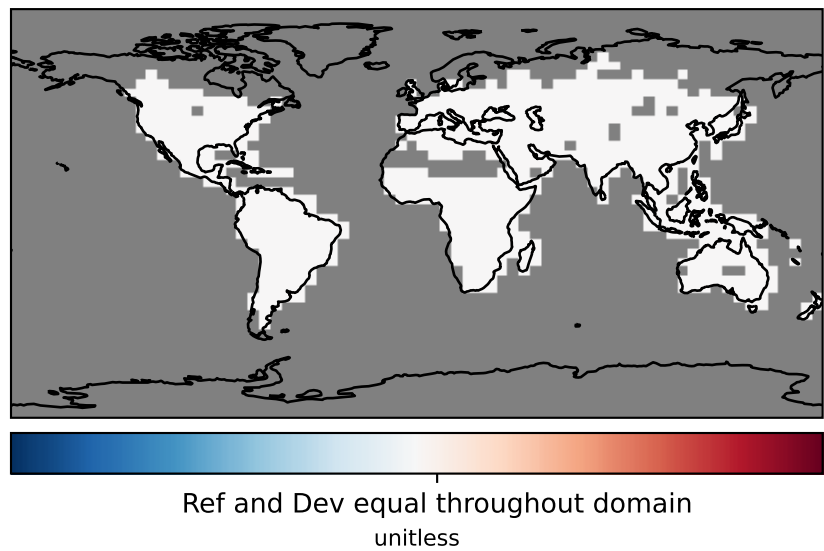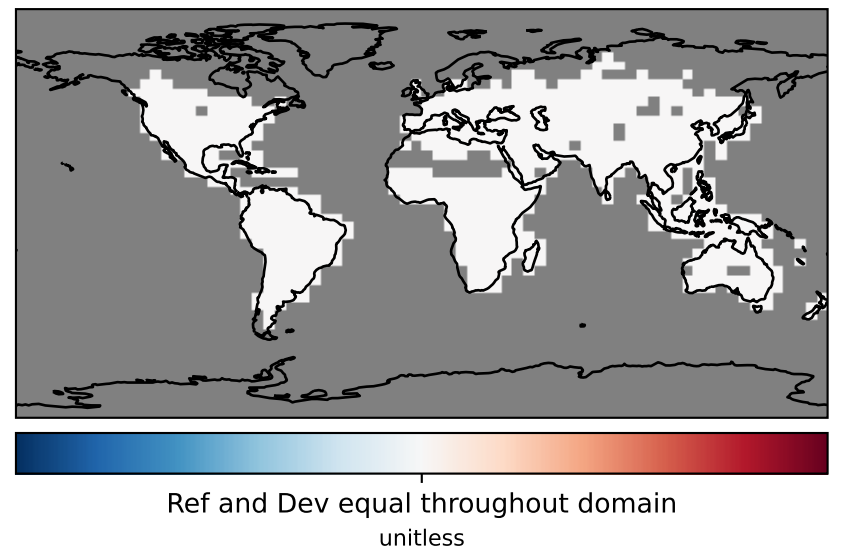
EmisGLYX_BioBurn (Oct2019)
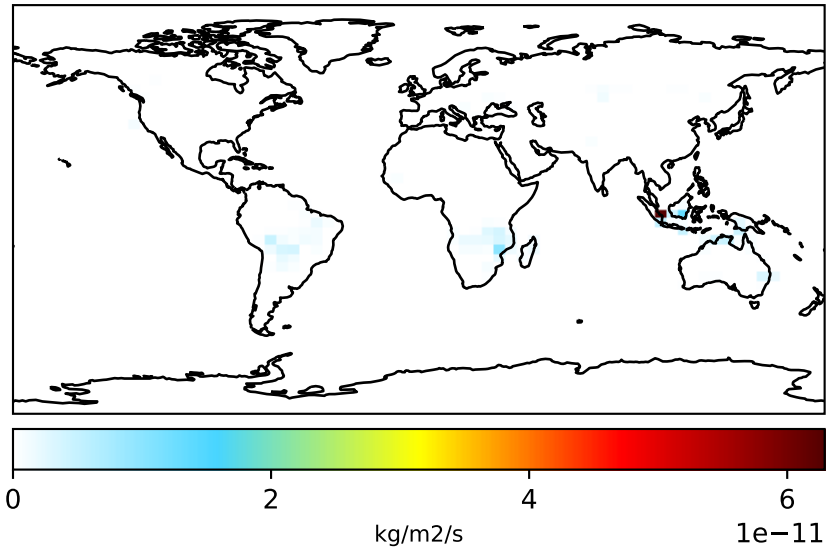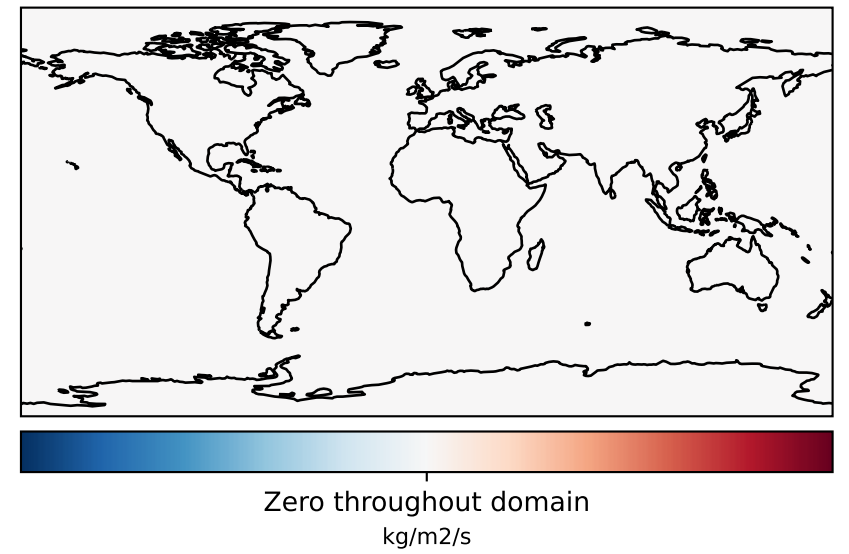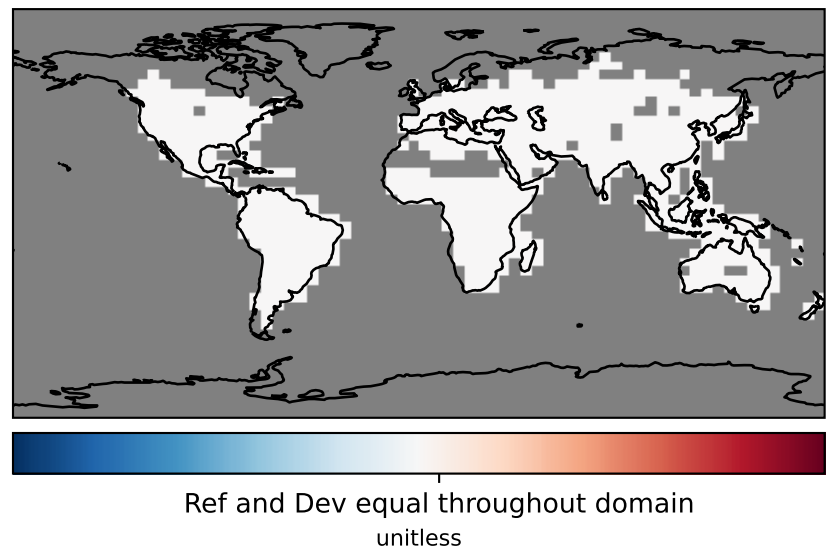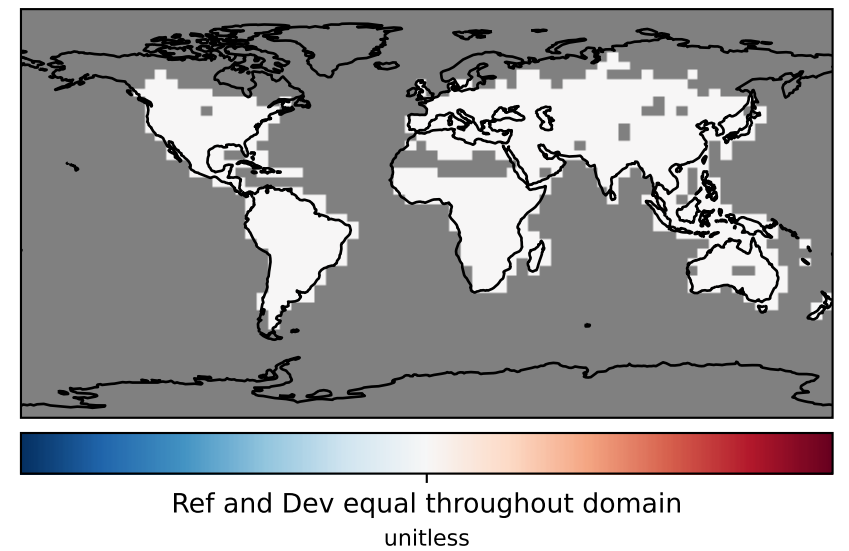
EmisISOP_BioBurn (Oct2019)
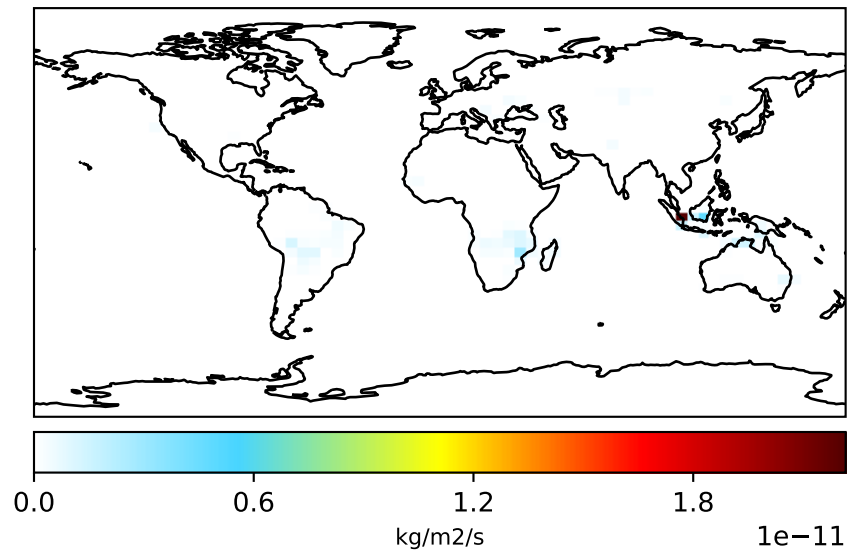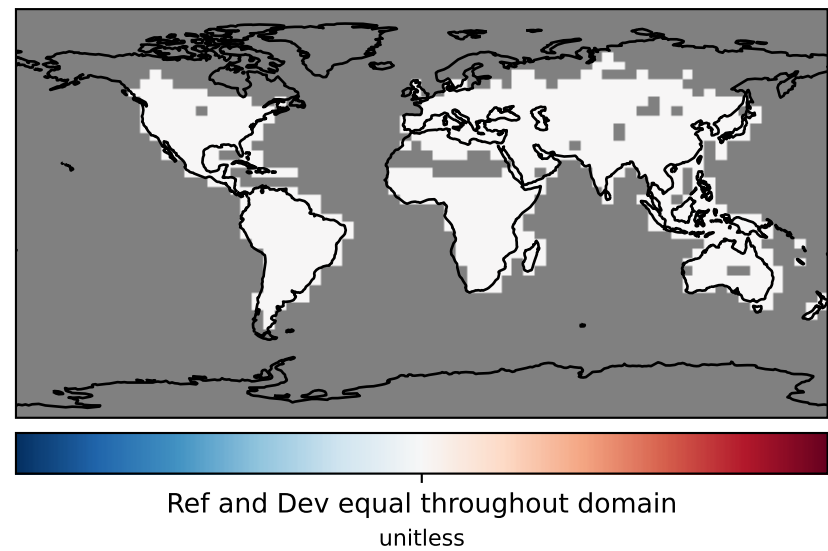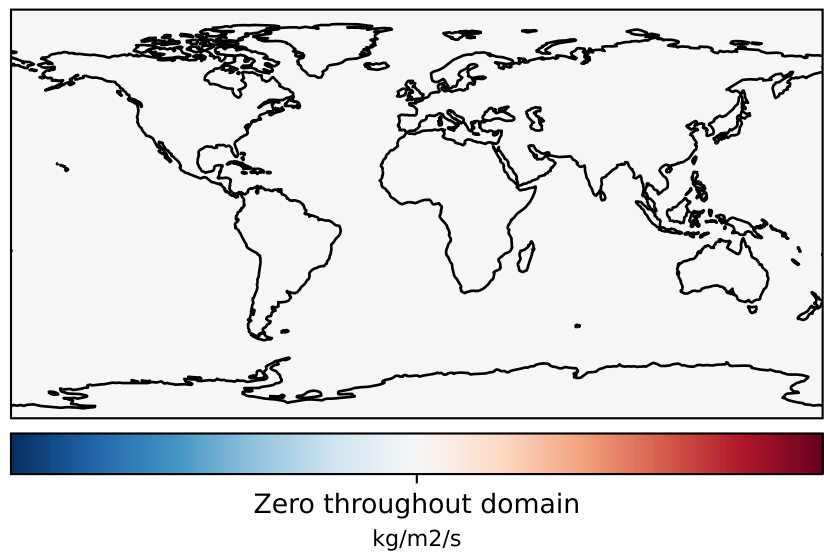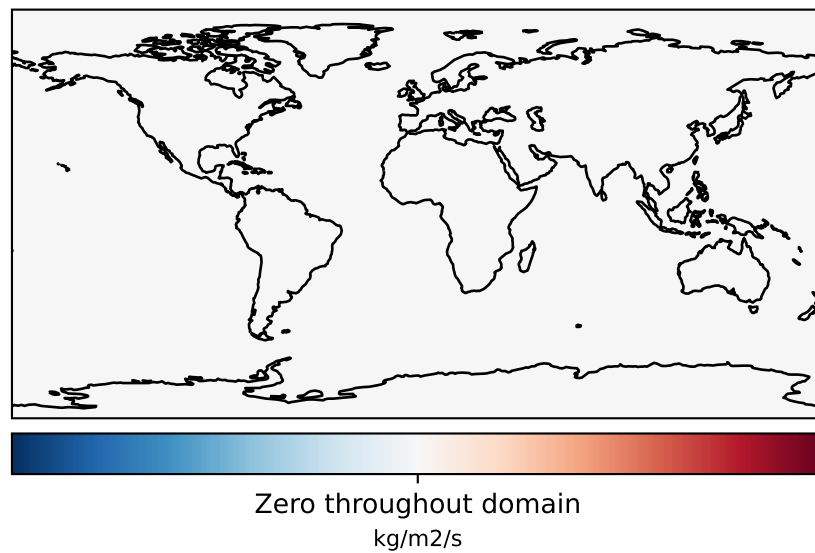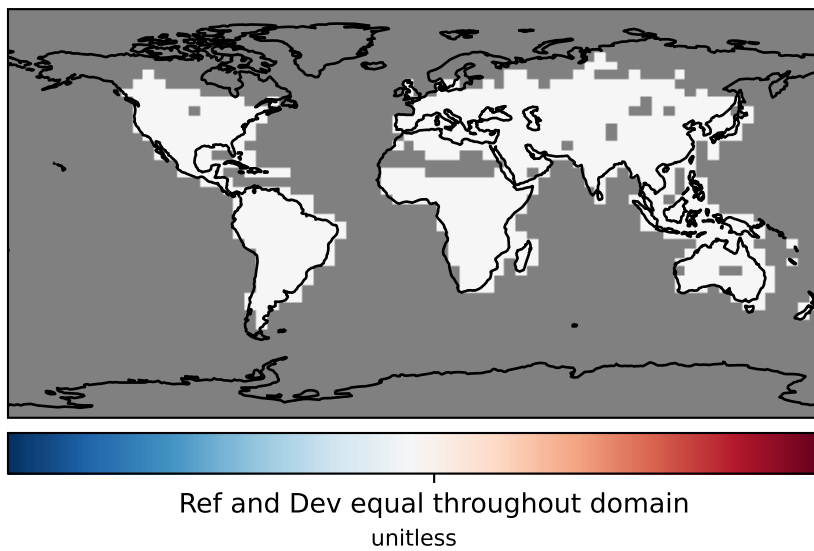
EmisMEK_BioBurn (Oct2019)
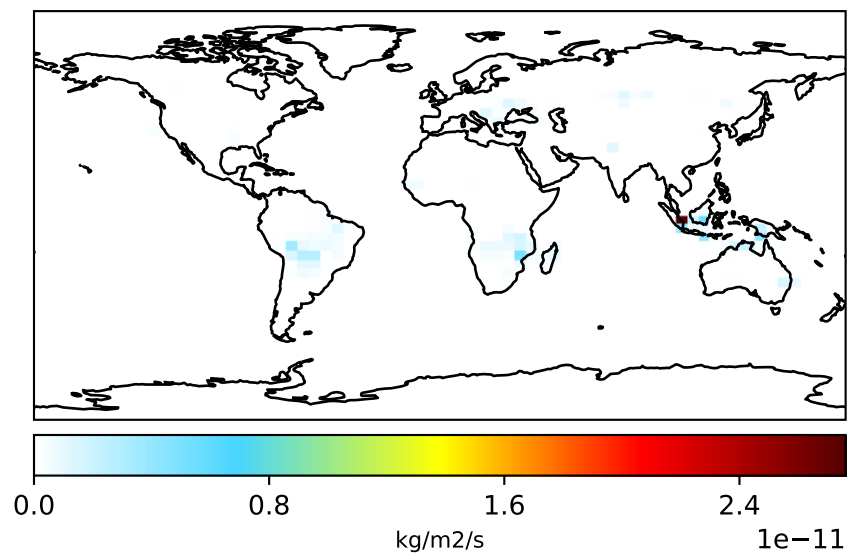
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range
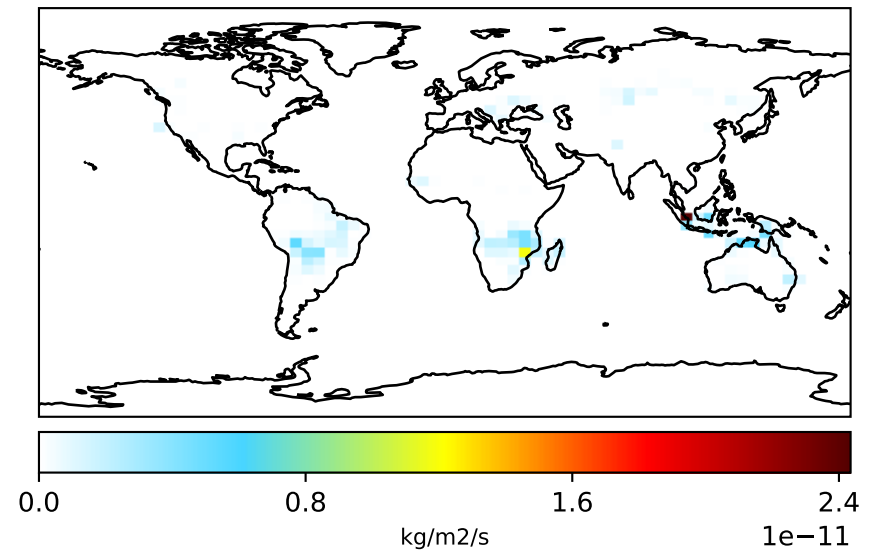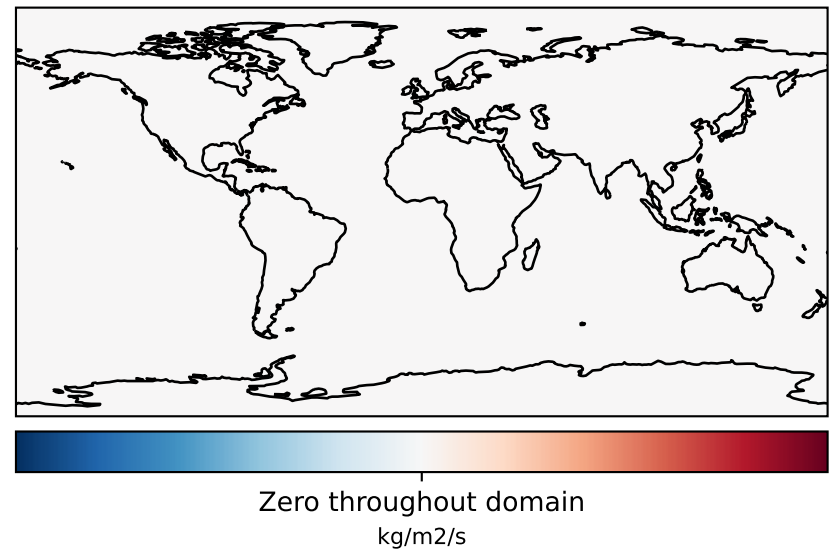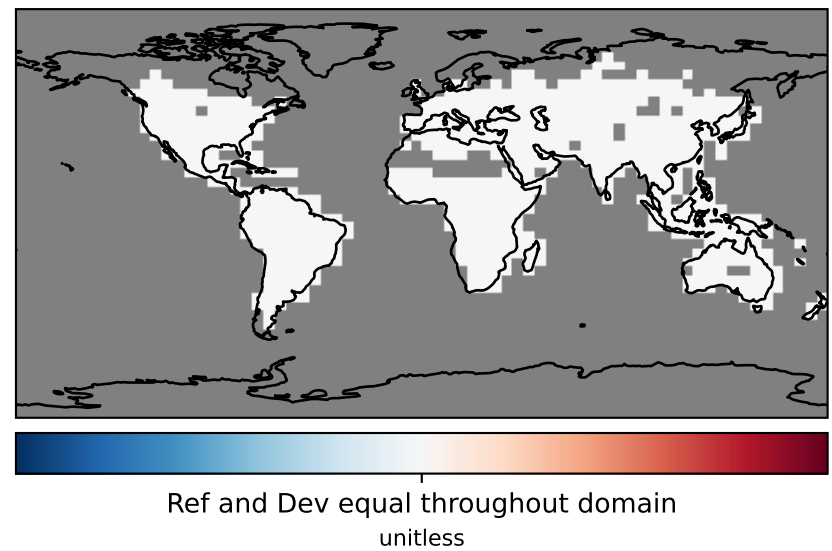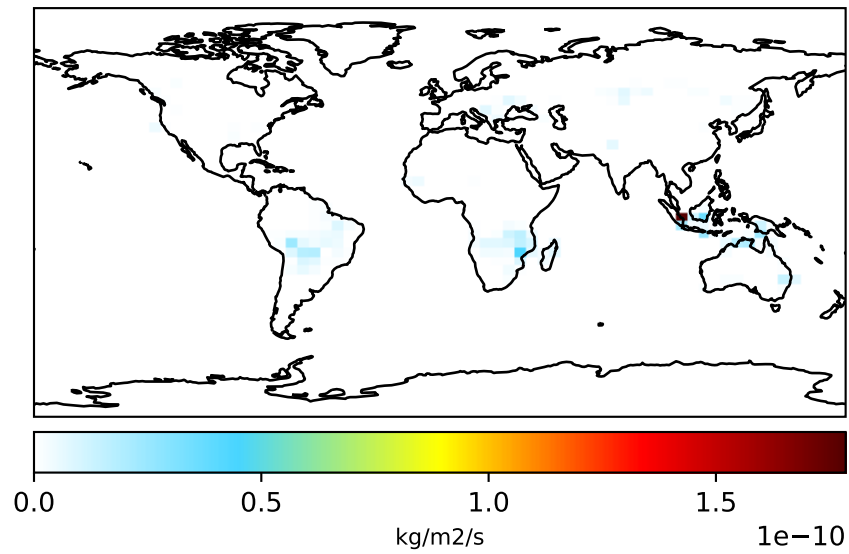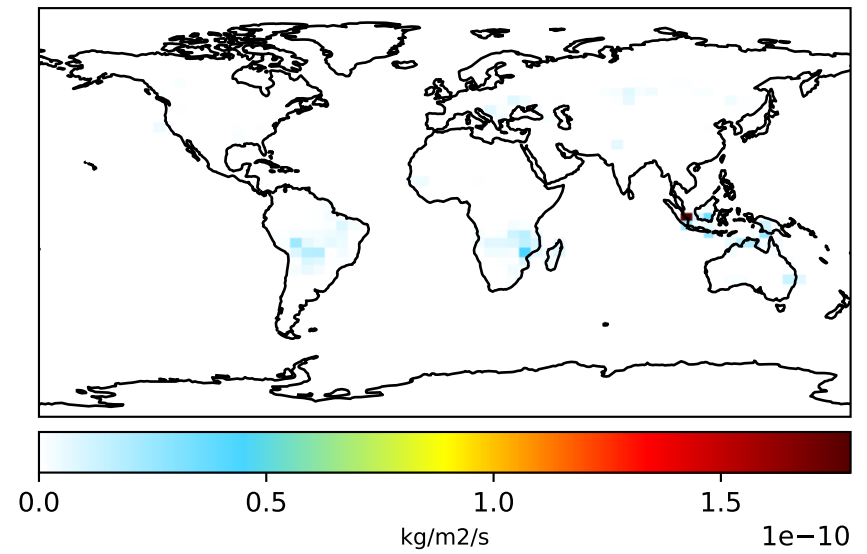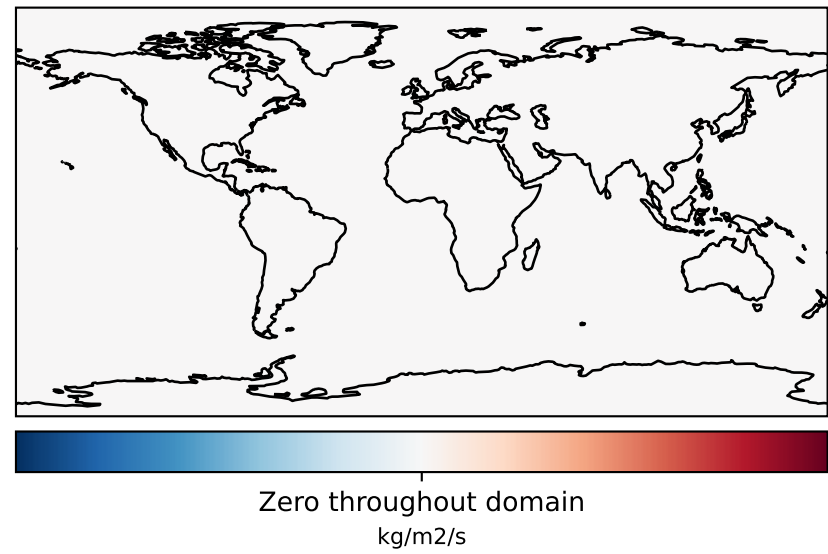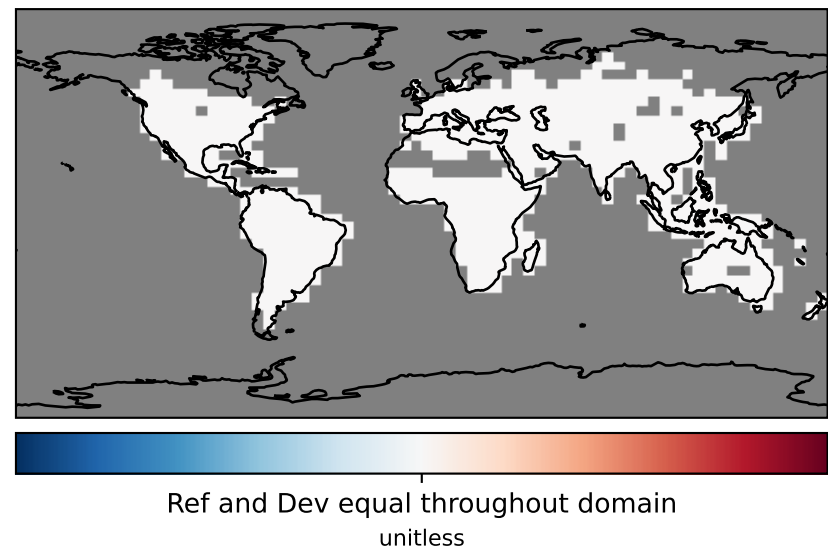
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
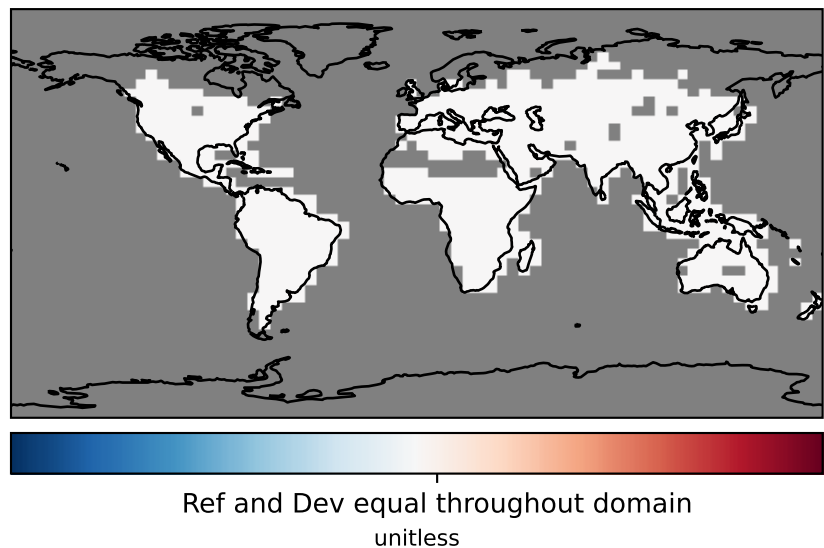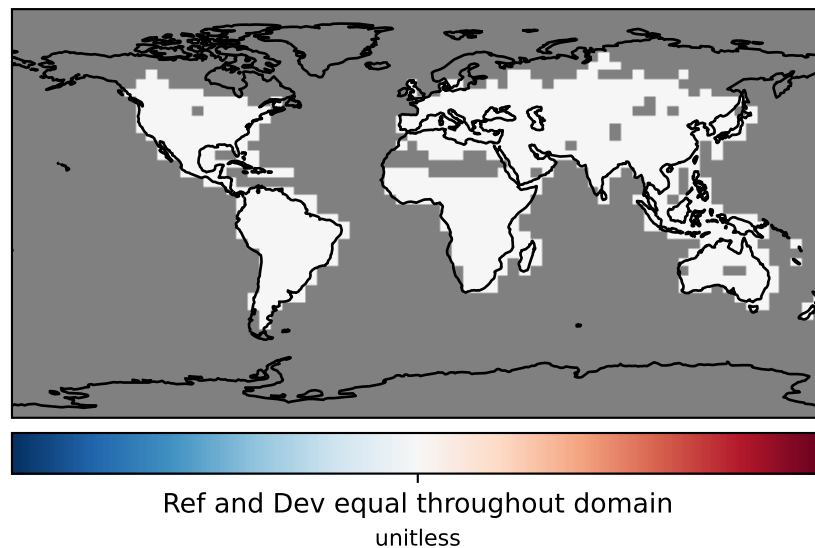
EmisMGLY_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
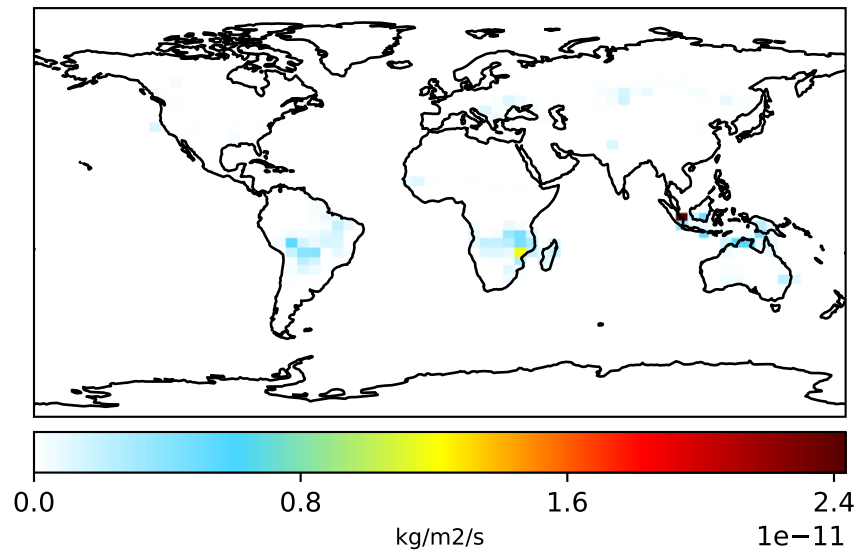
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range
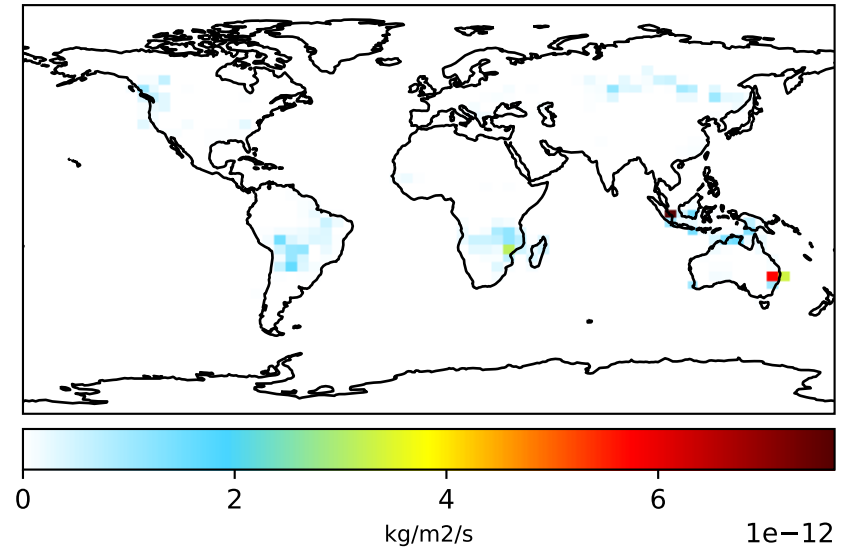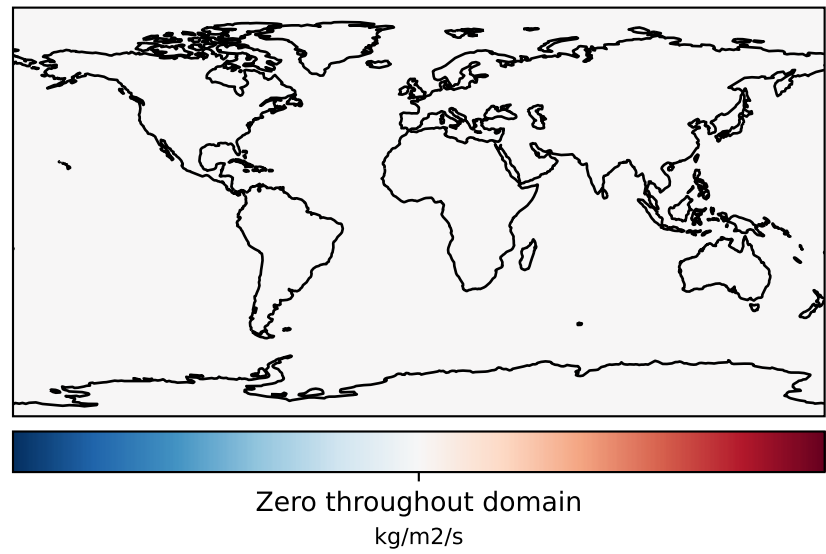
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
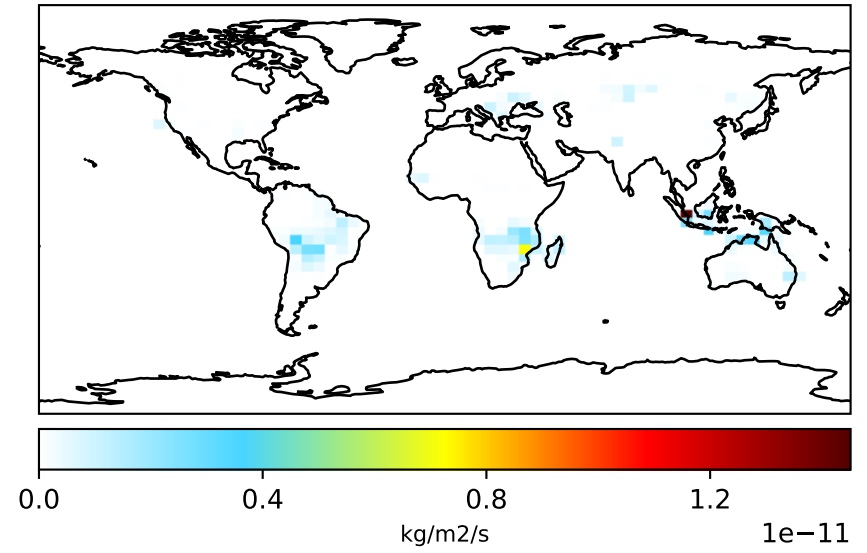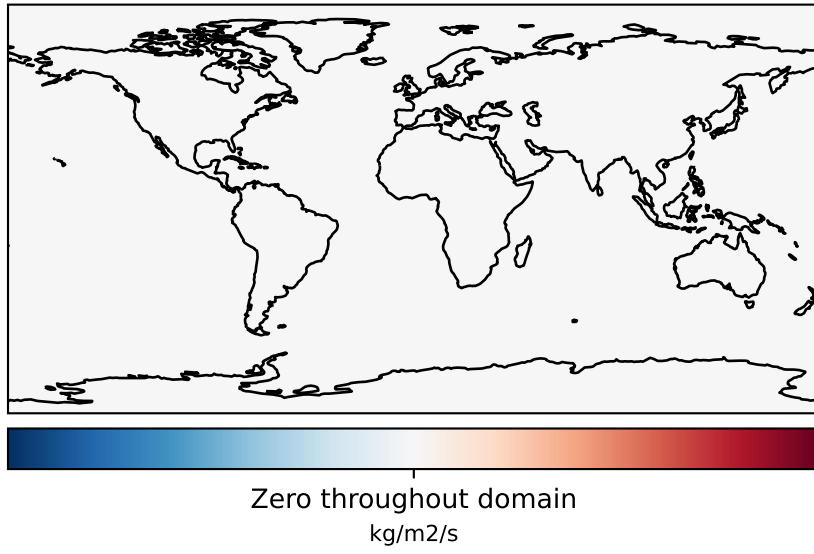
EmisMOH_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s
1e−10

kg/m2/s
1e−10

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
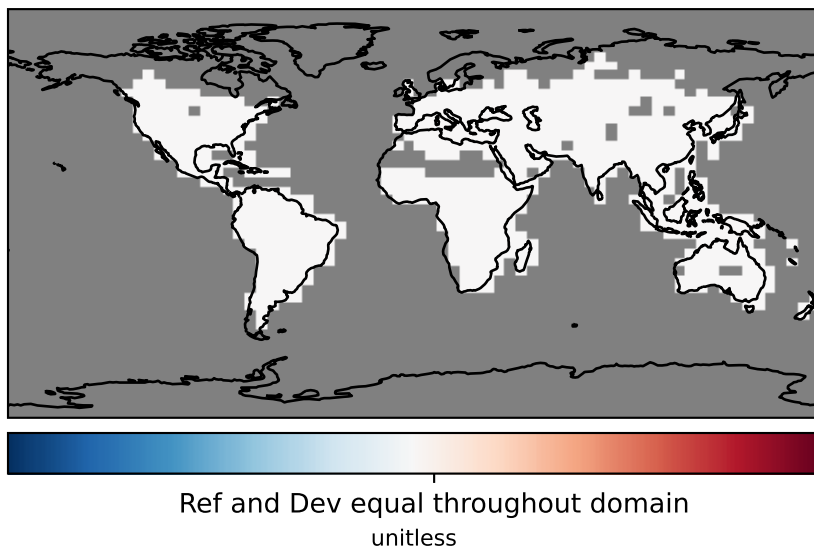
EmisMTPA_BioBurn (Oct2019)
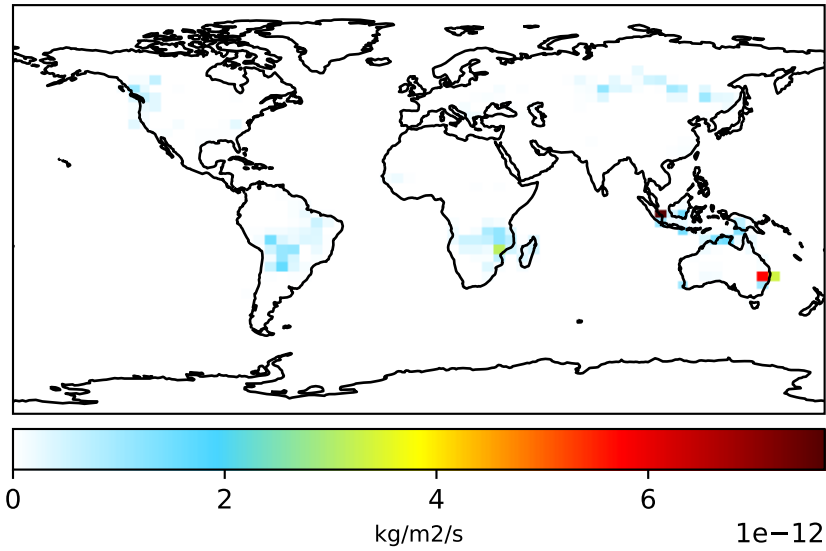
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range
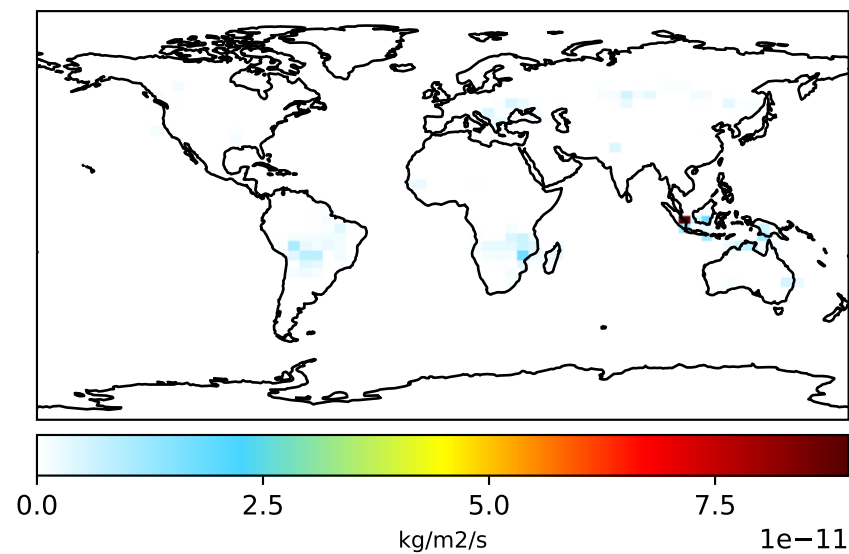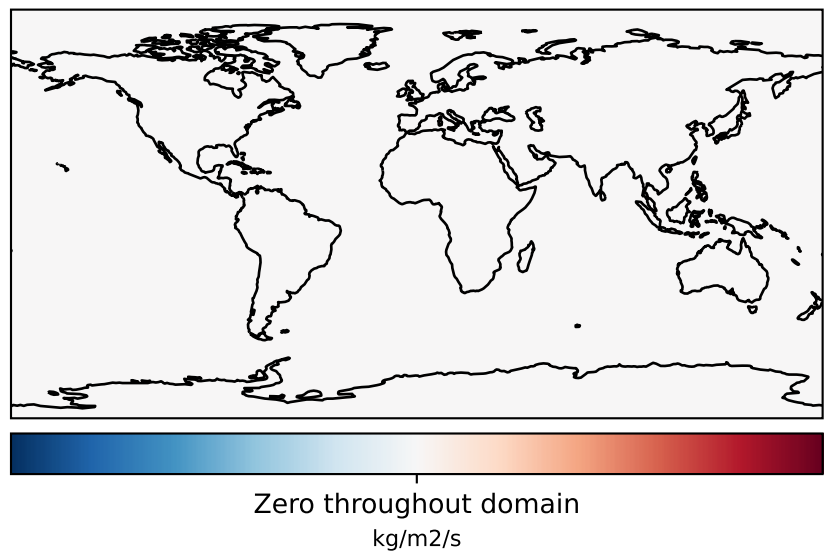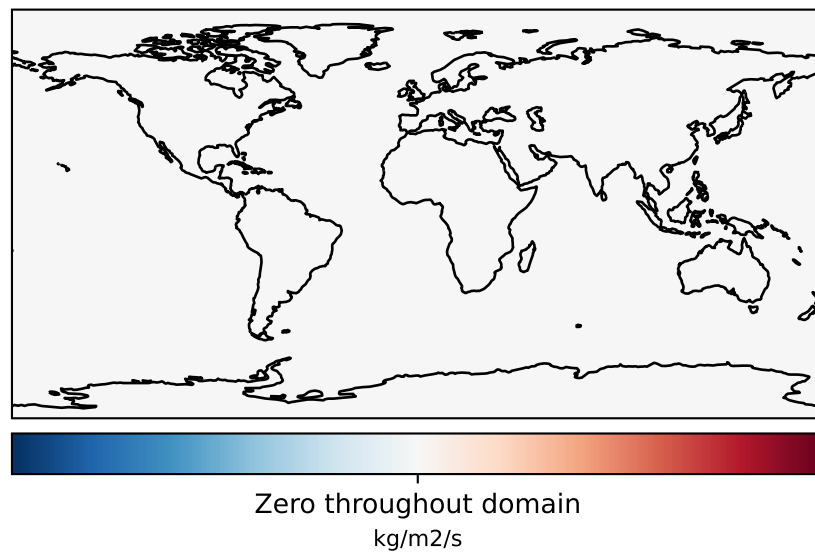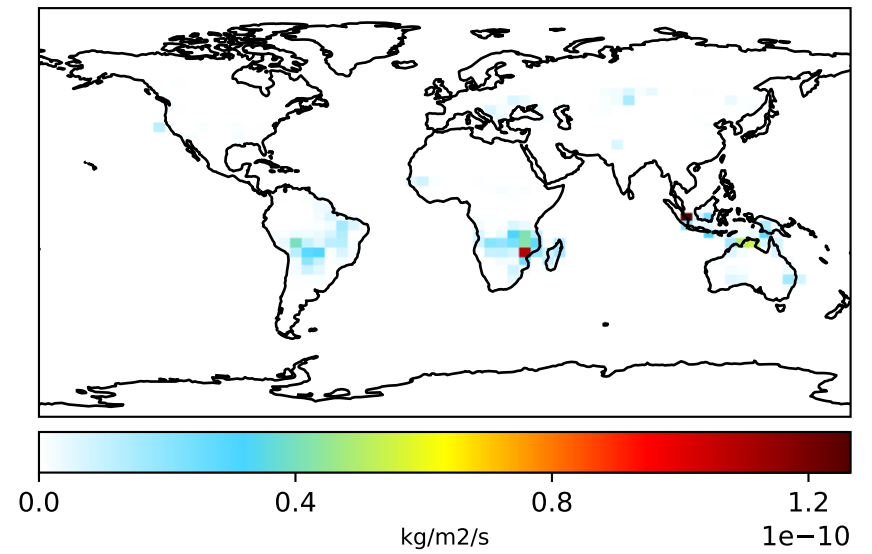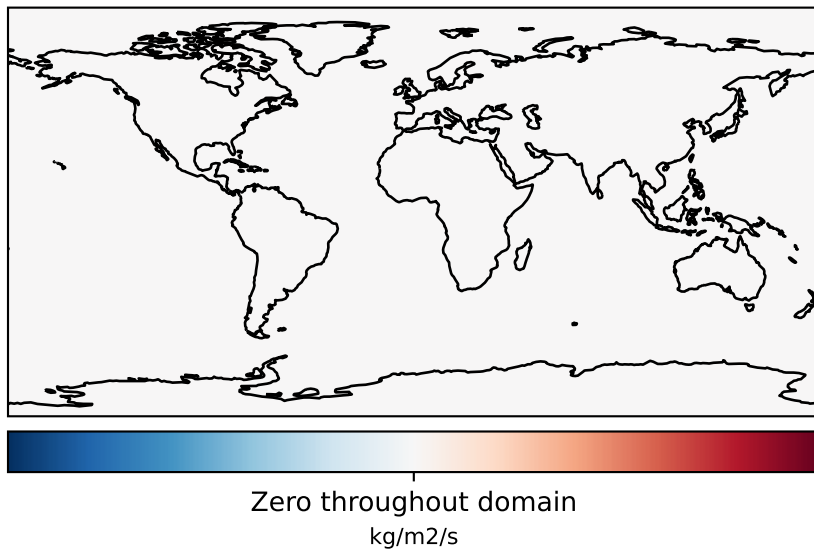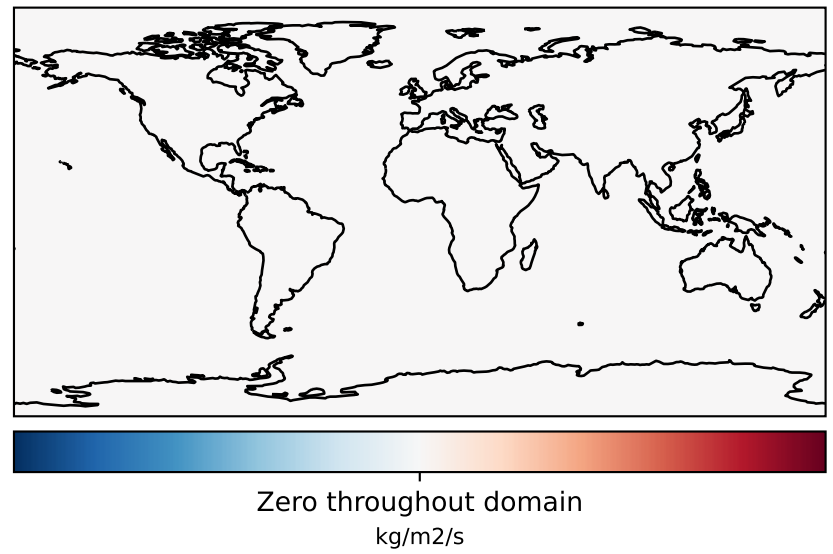
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

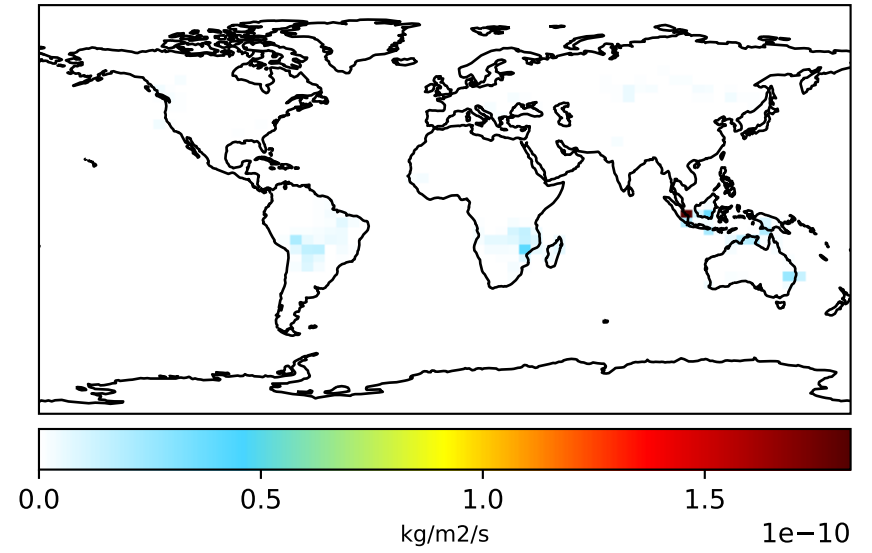Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
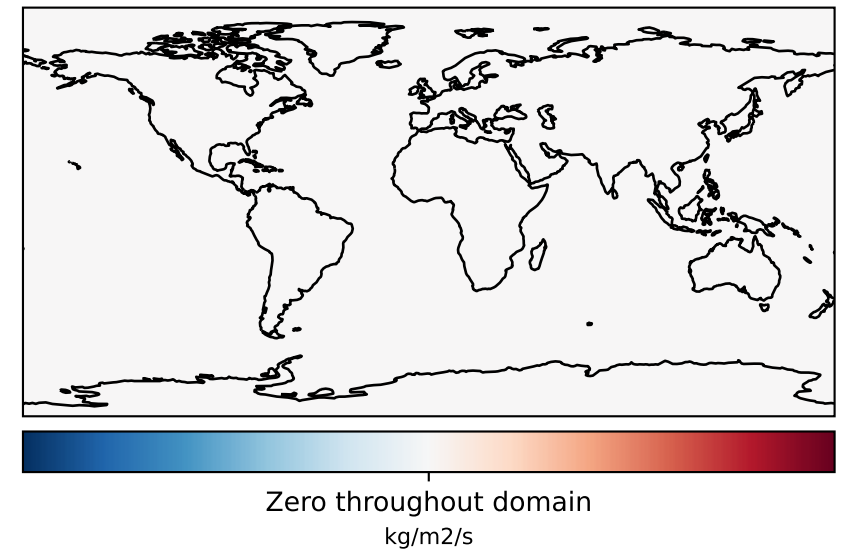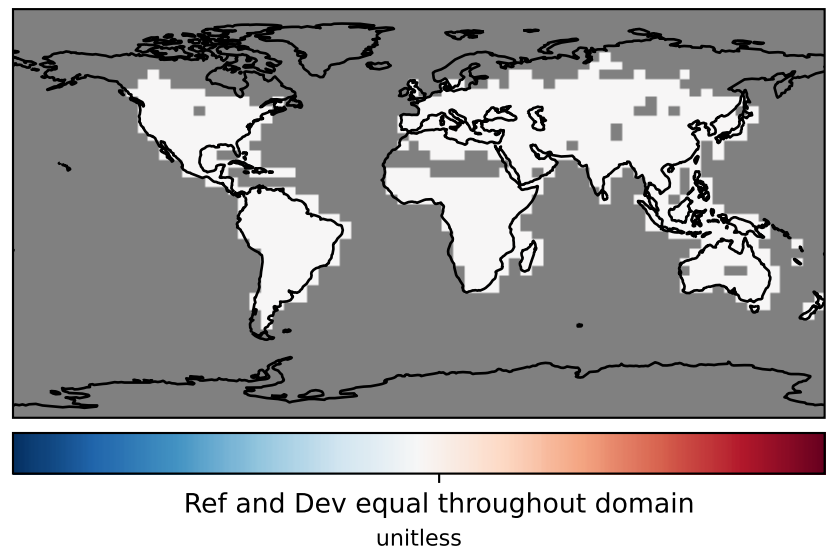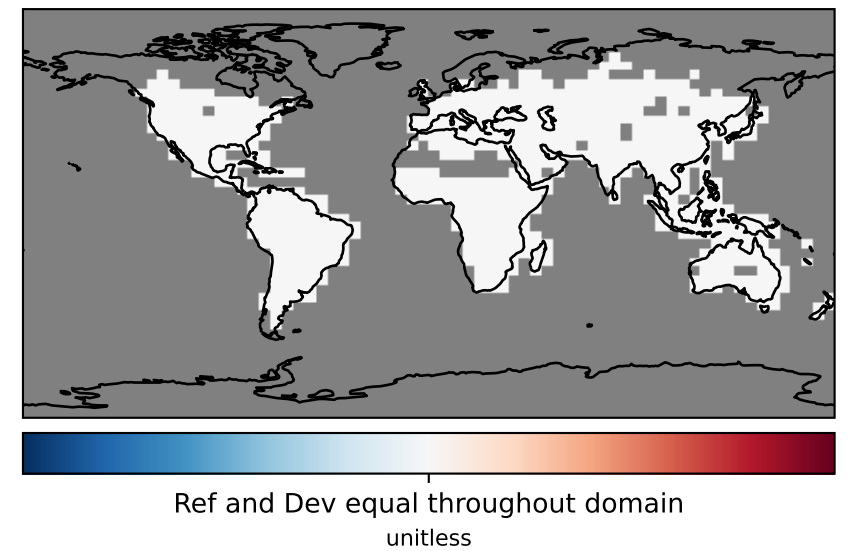
EmisMVK_BioBurn (Oct2019)
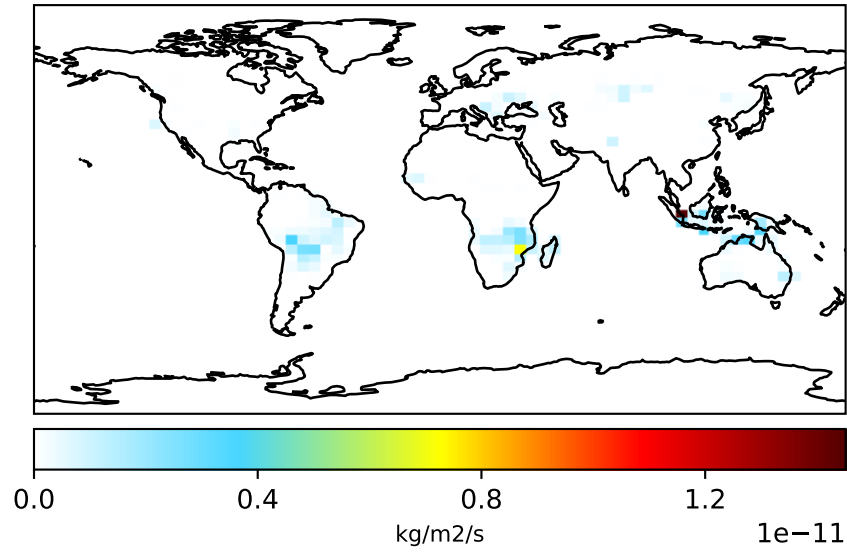
gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
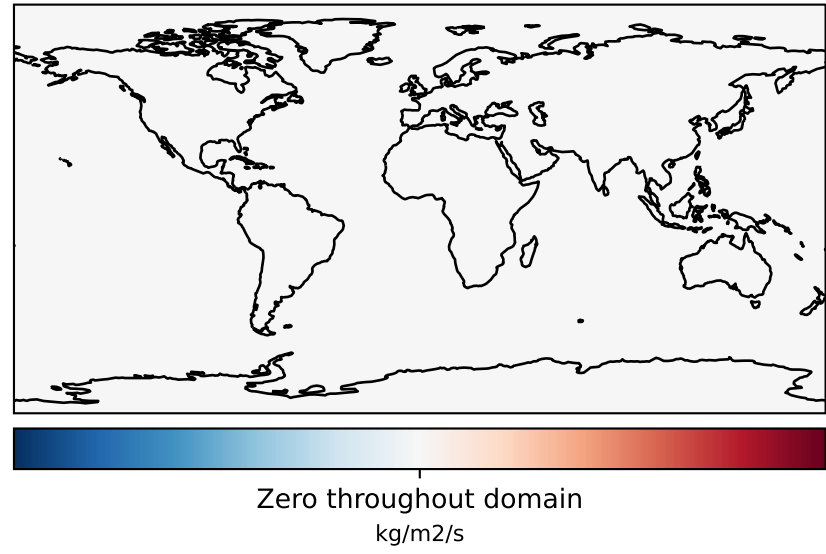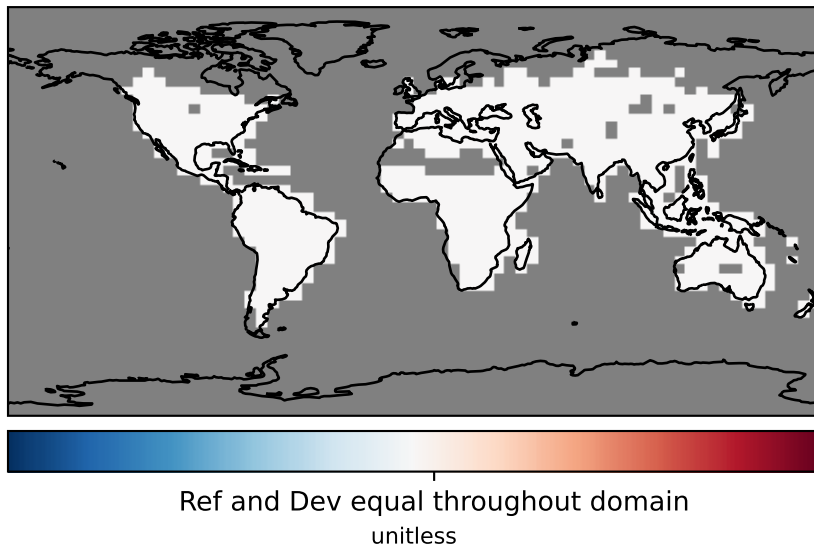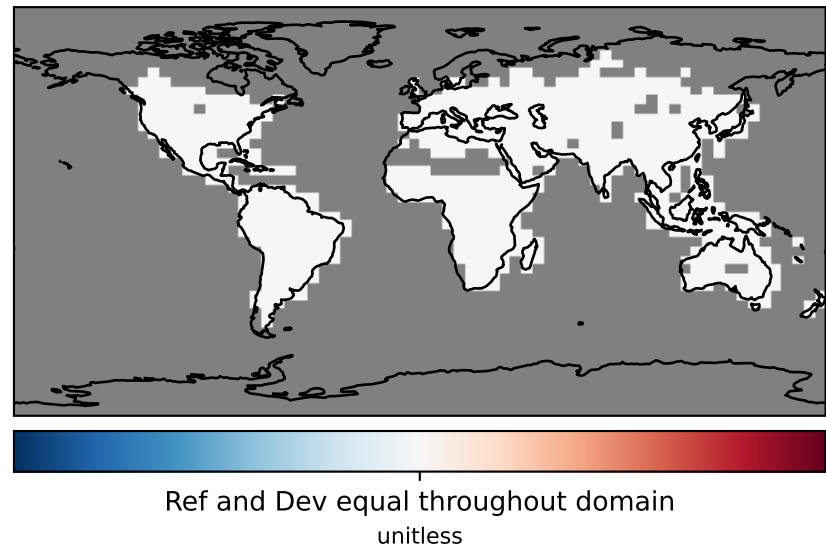
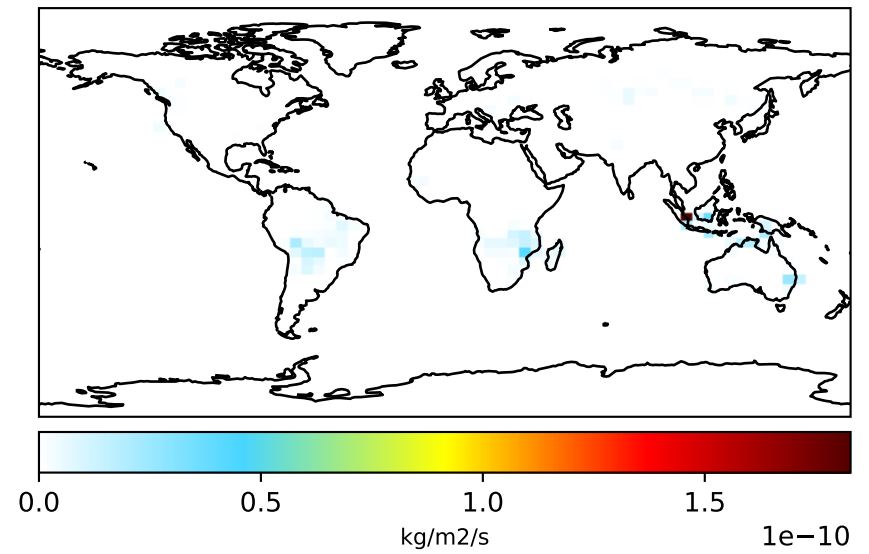# EmisNH3_BioBurn (Oct2019)
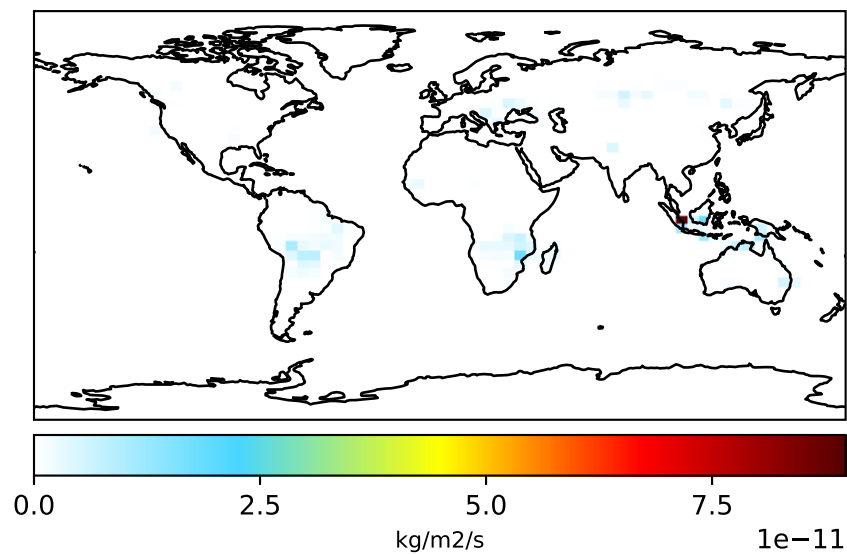
EmisNO_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
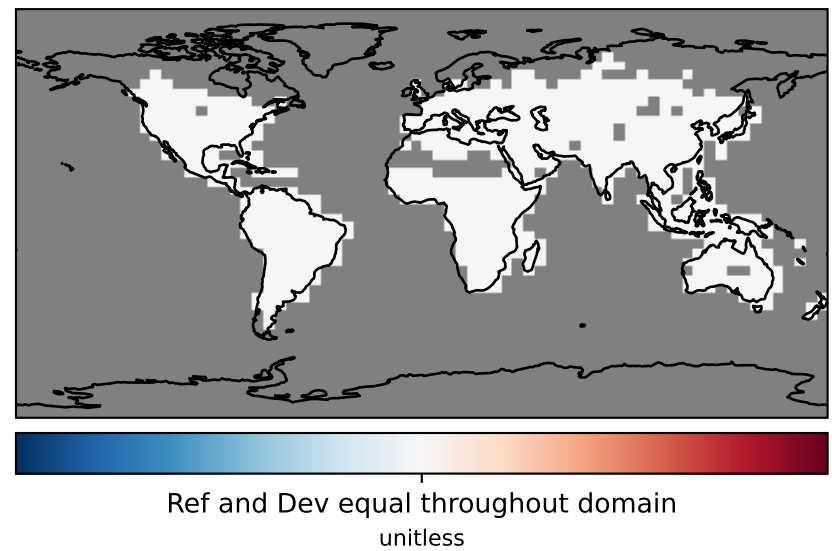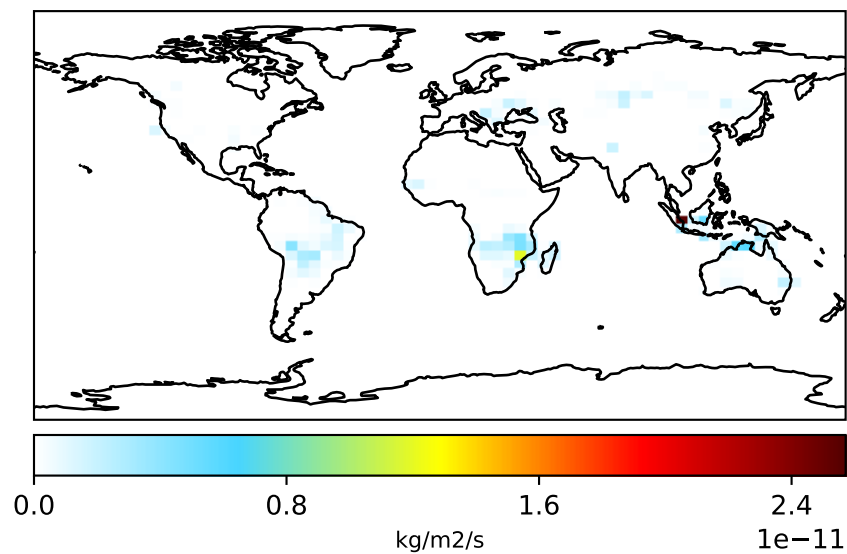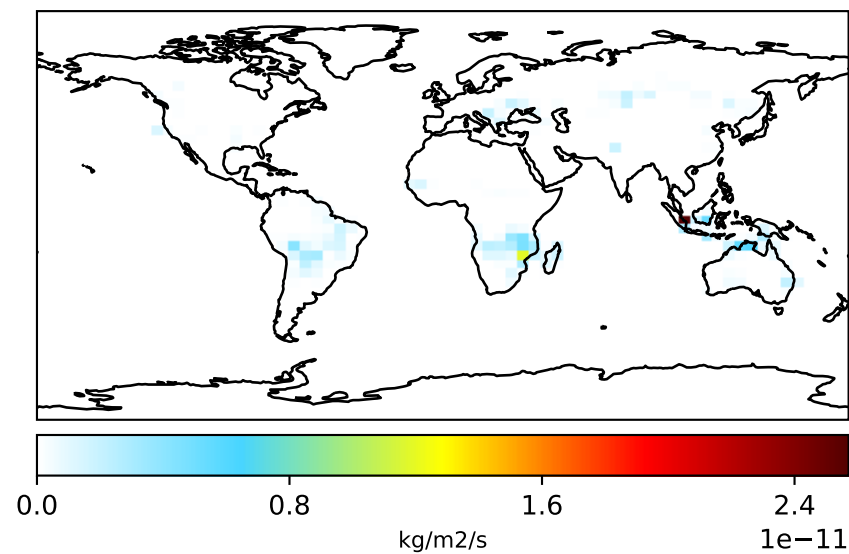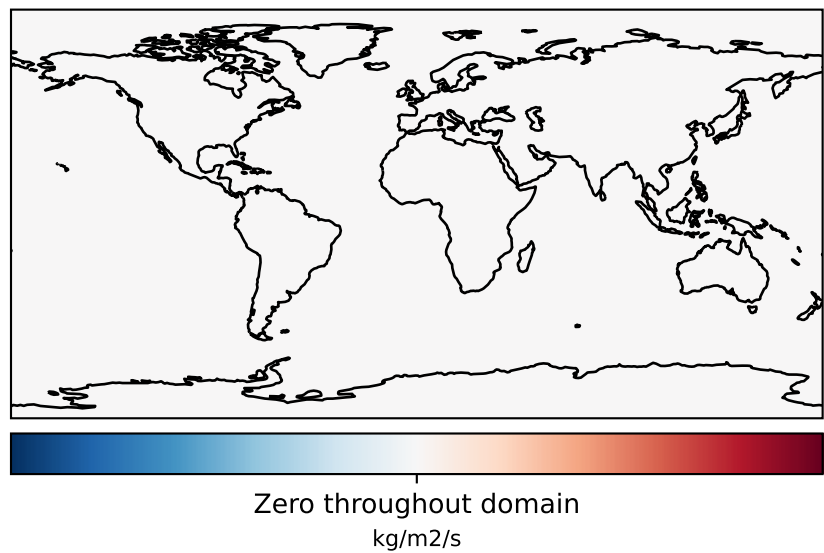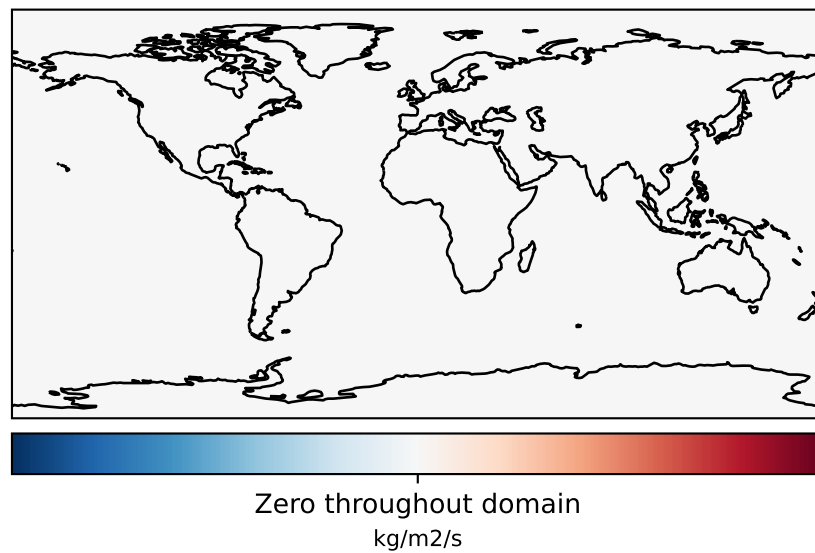Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless
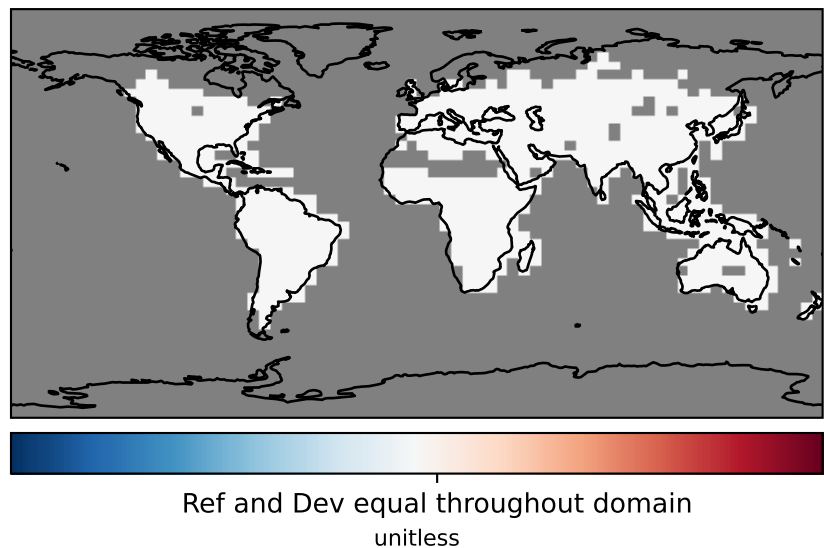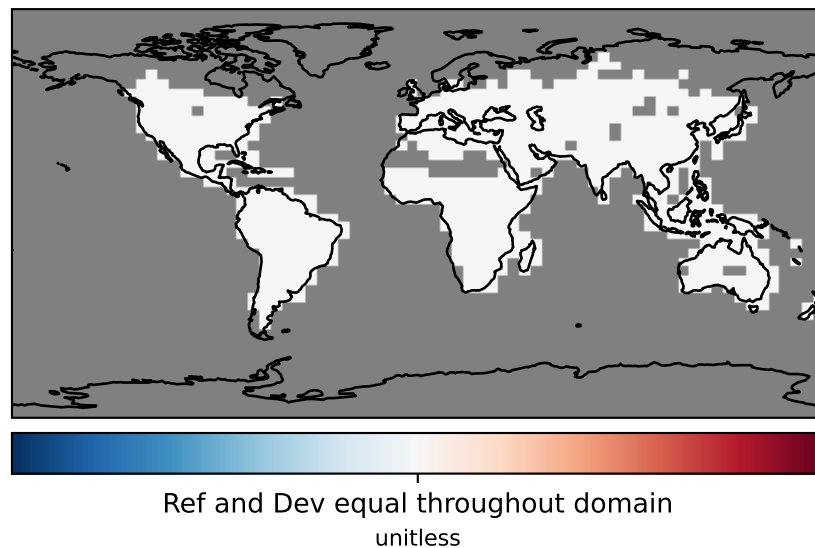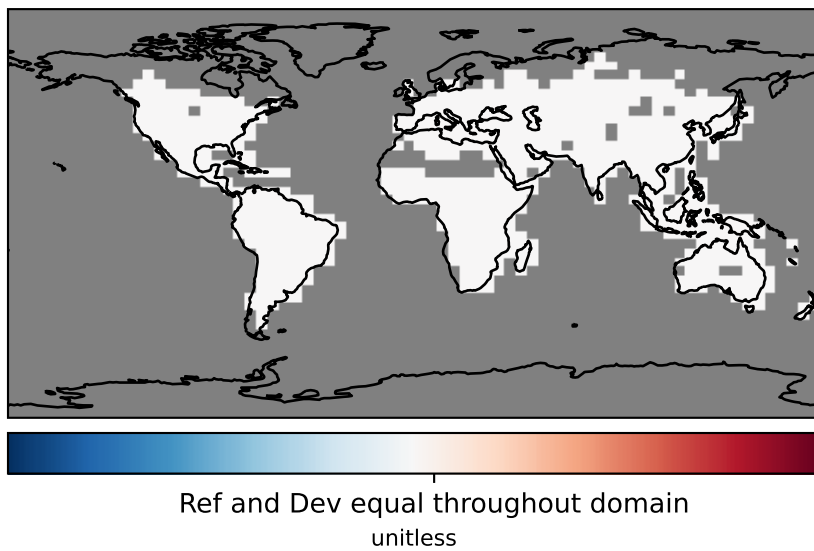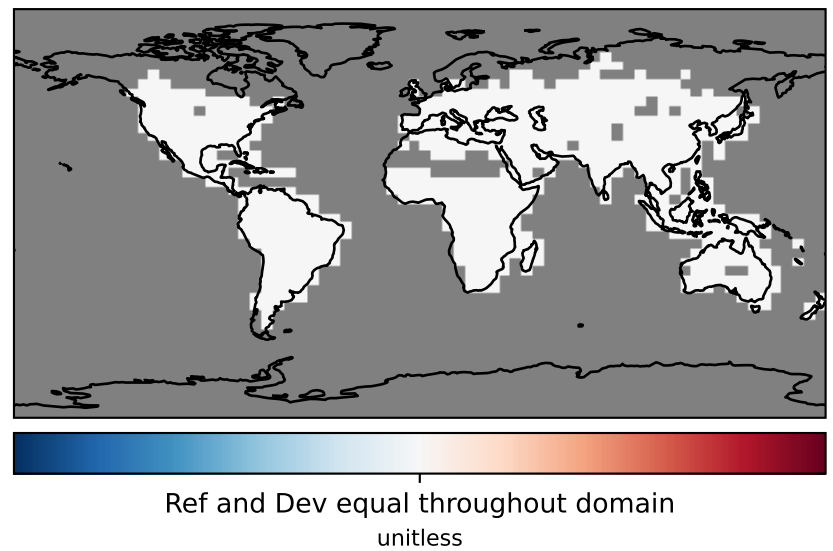
EmisOCPI_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
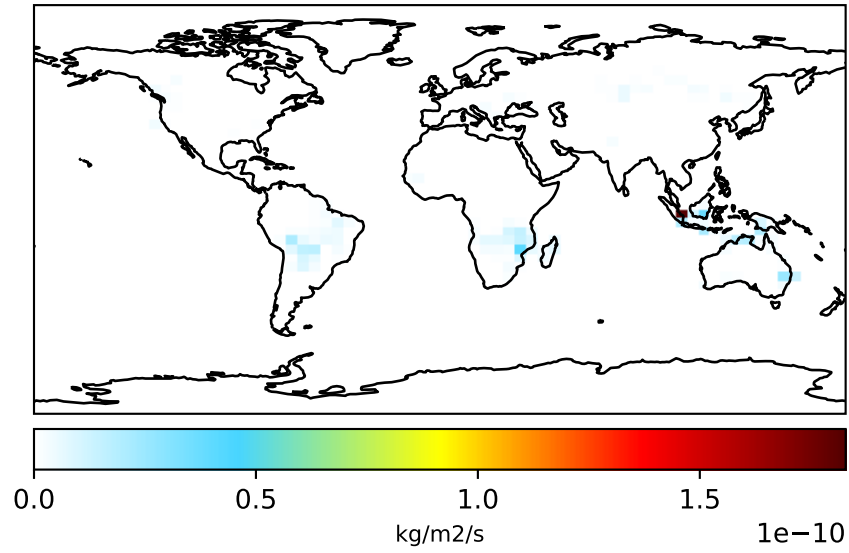
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
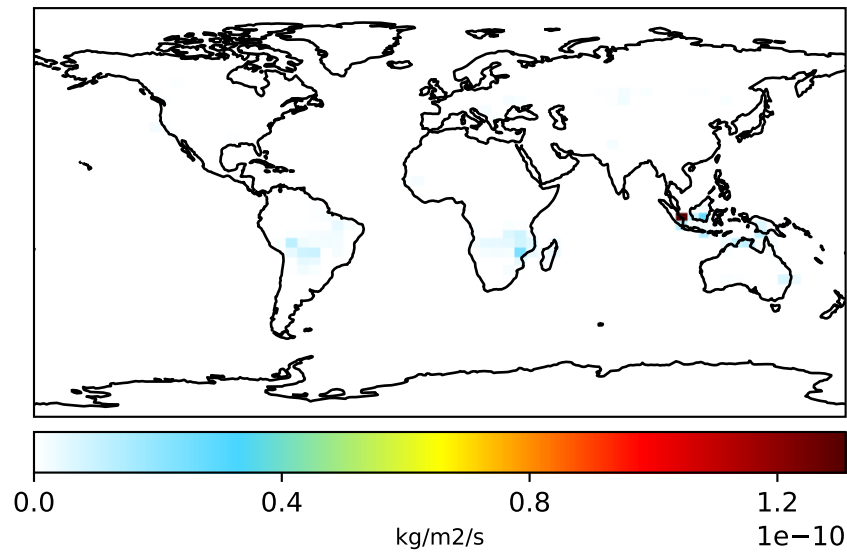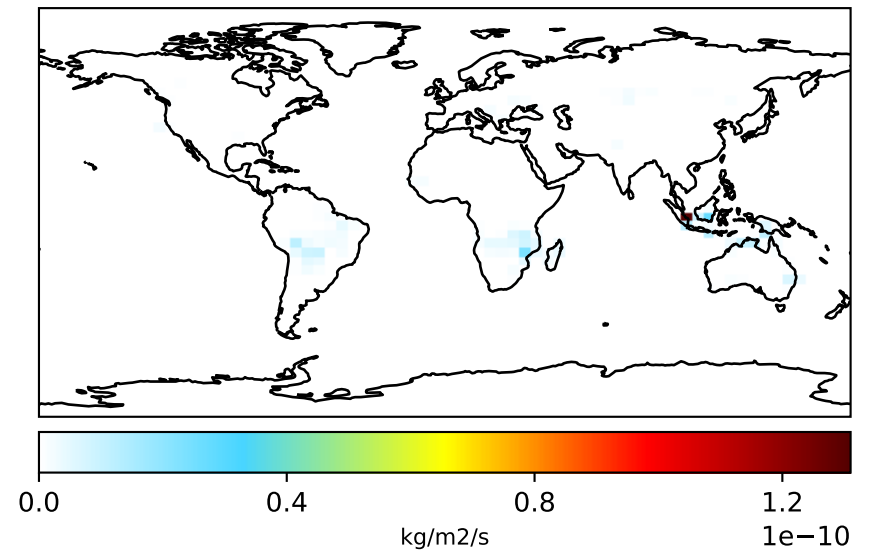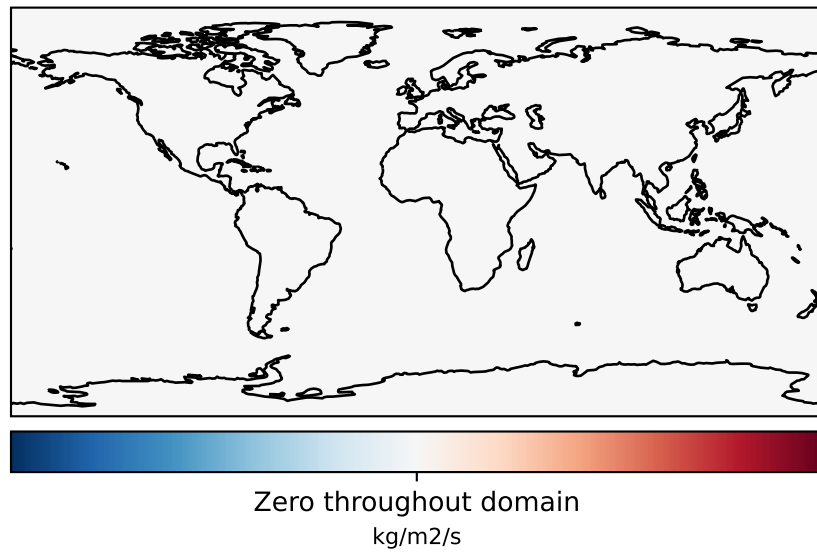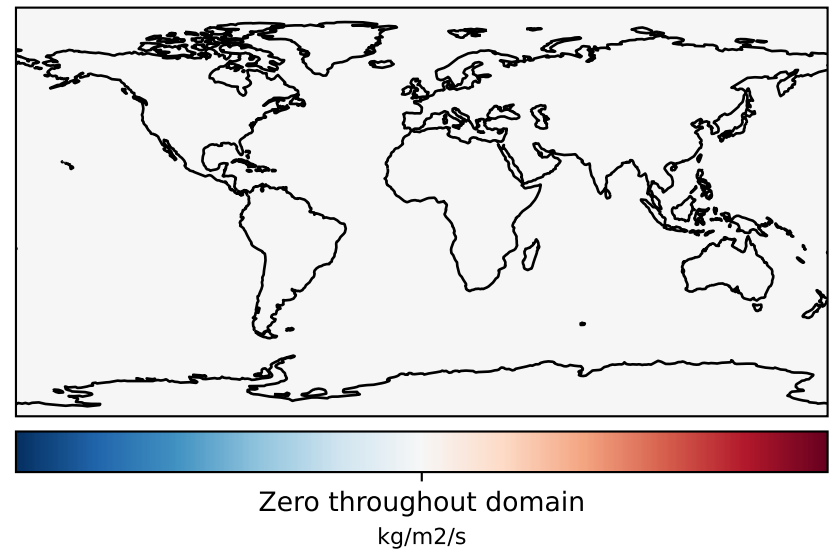kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless
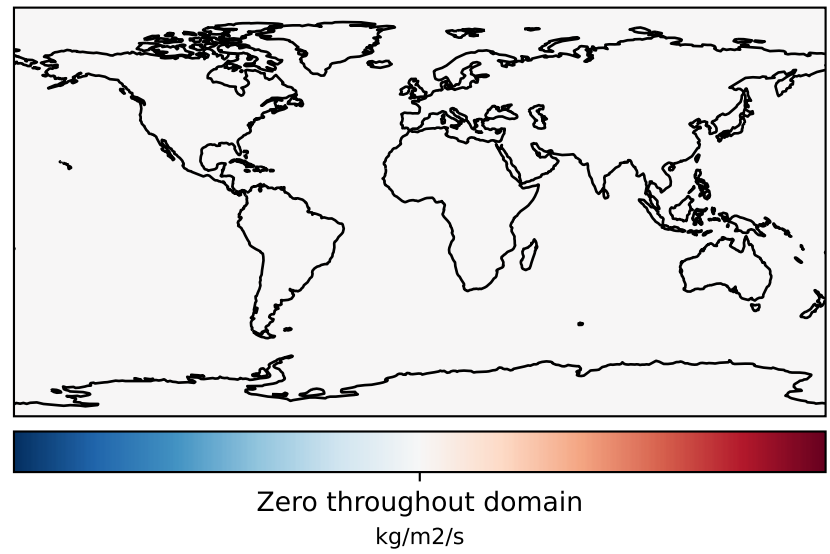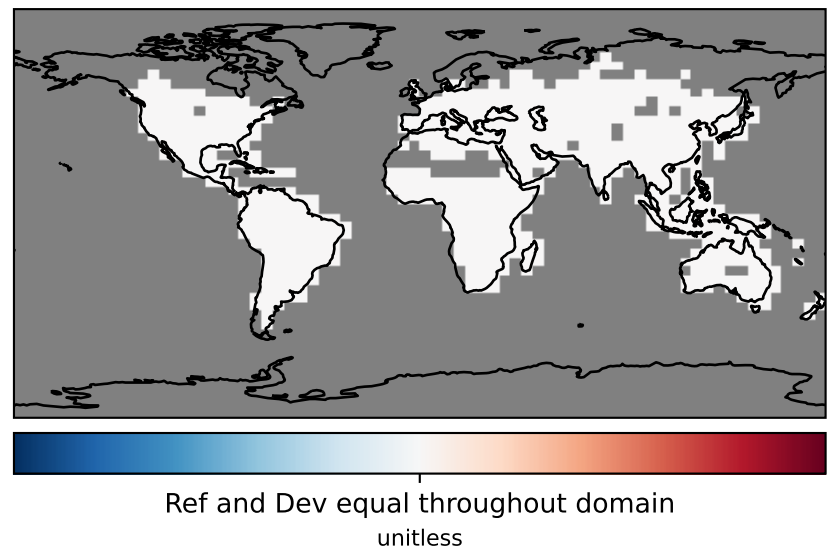
EmisOCPO_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range
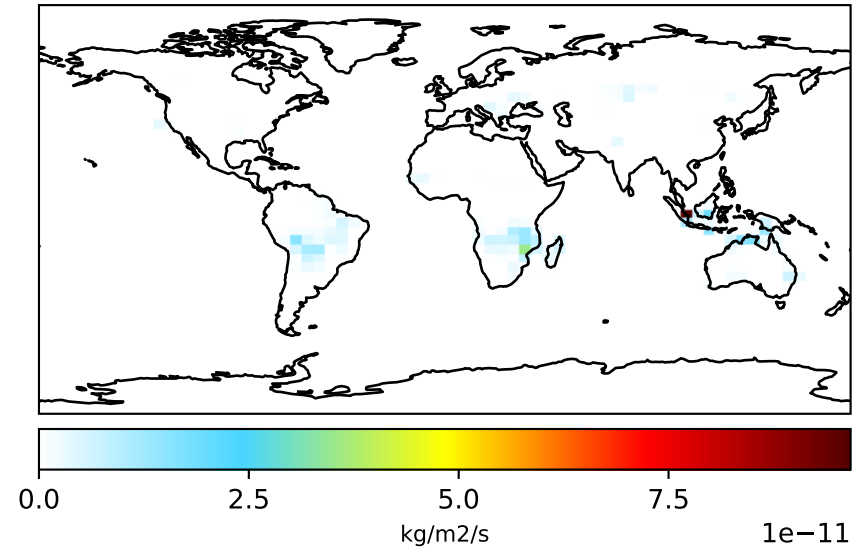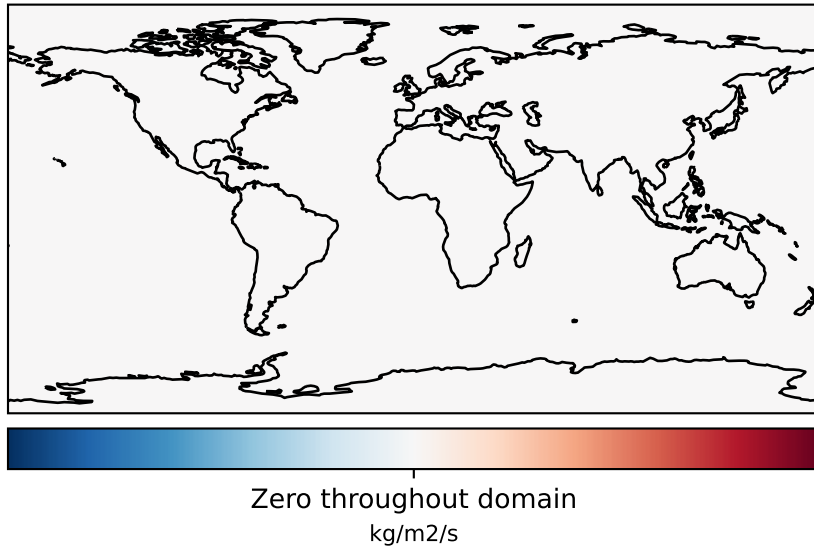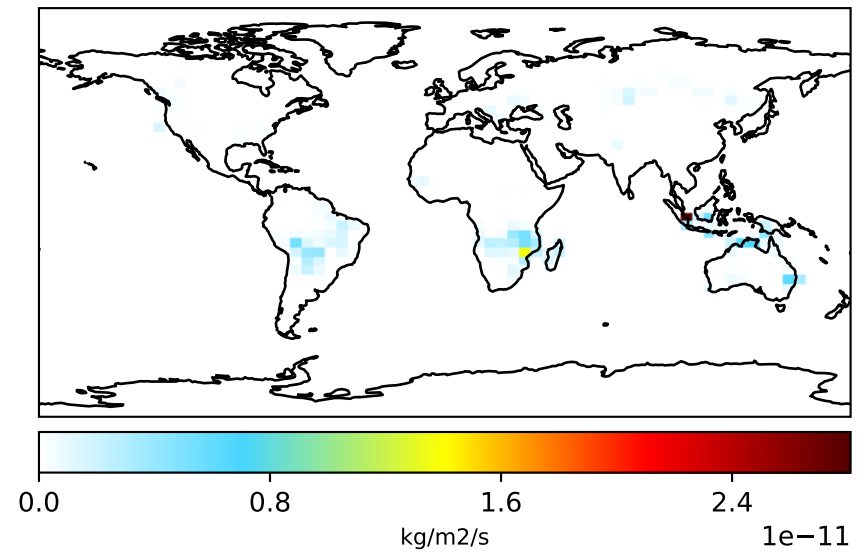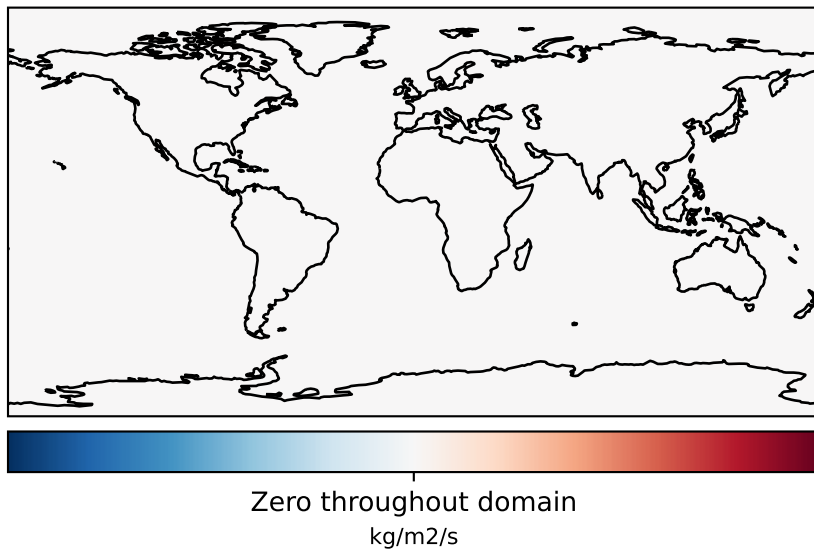
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
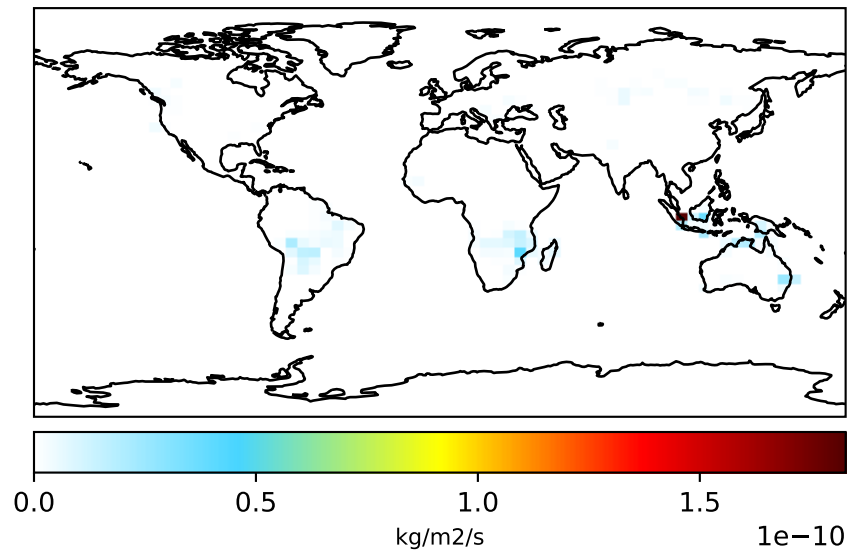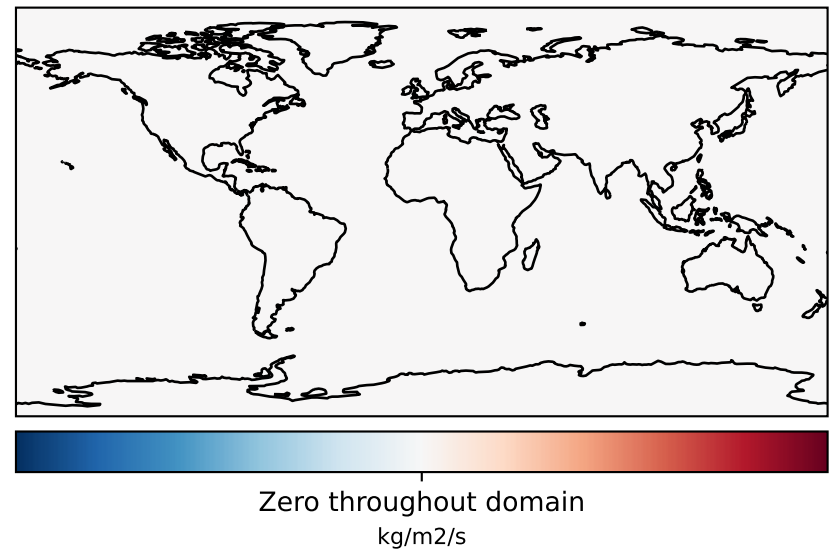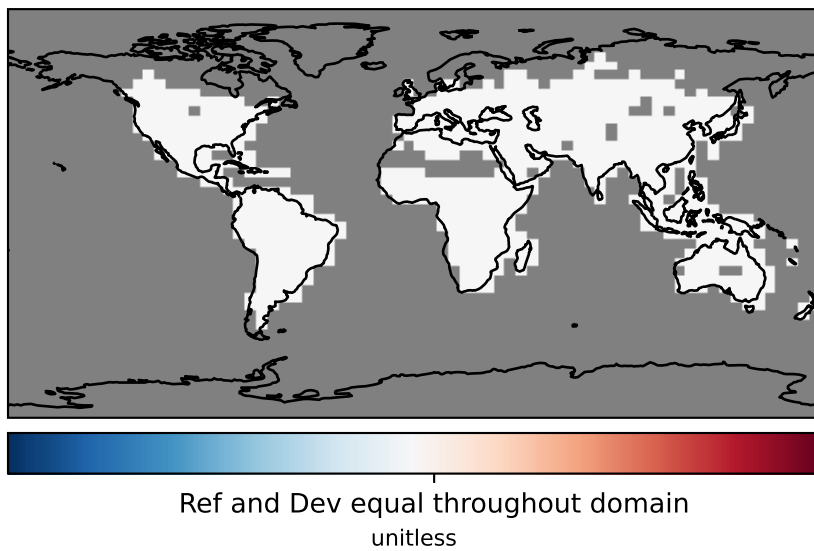
EmisPHEN_BioBurn (Oct2019)
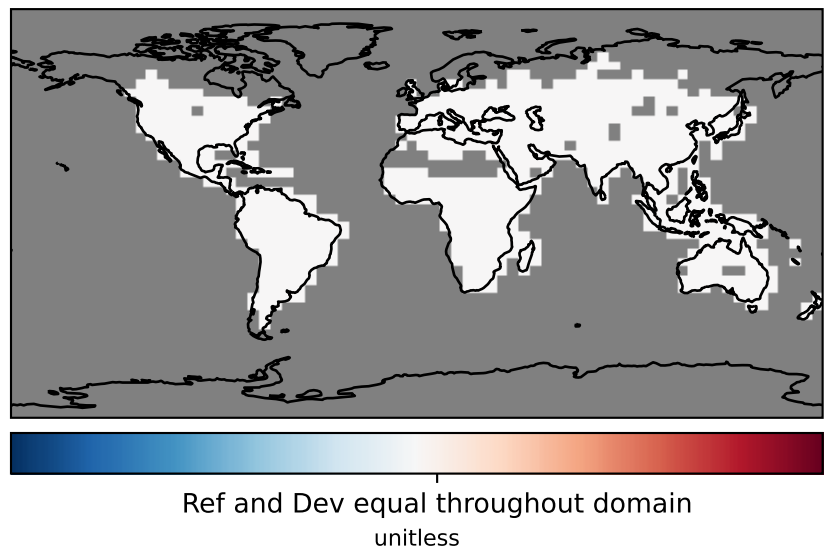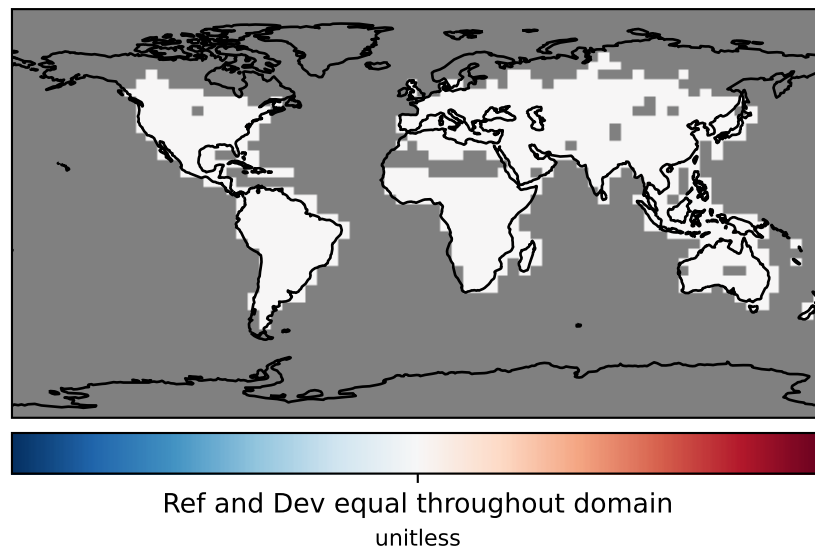
EmisPRPE_BioBurn (Oct2019)
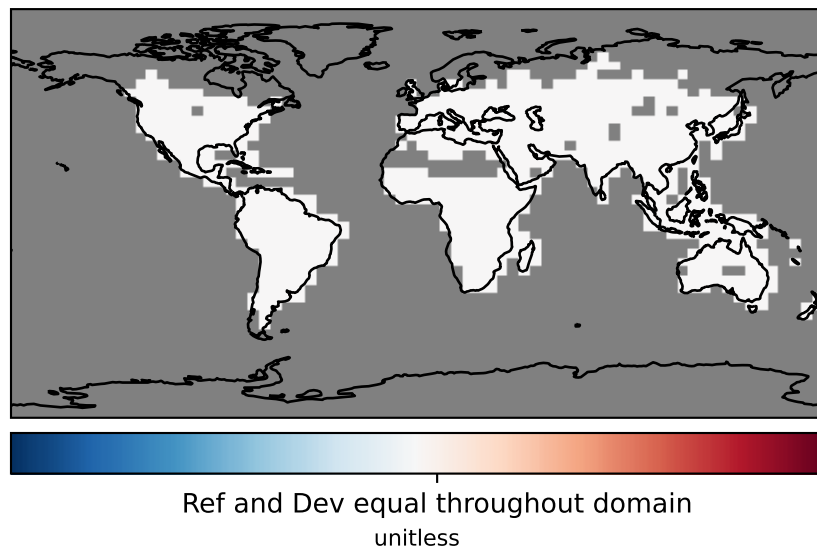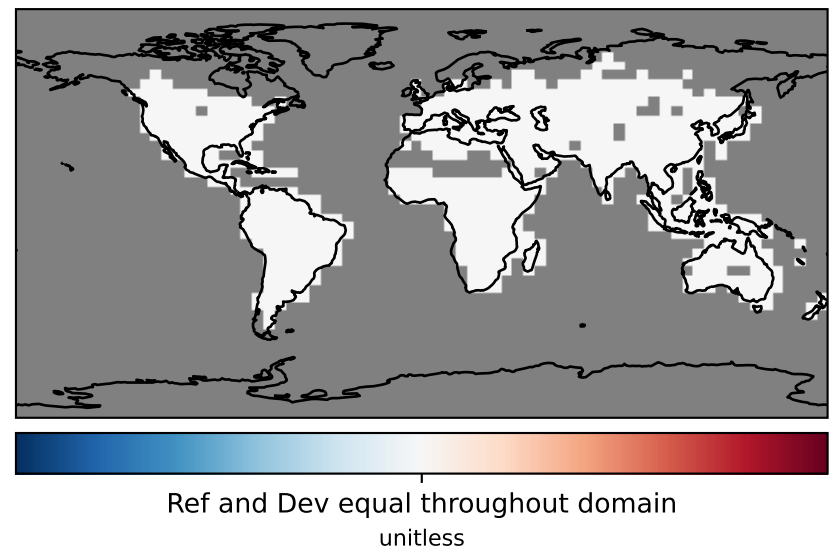
EmisRCHO_BioBurn (Oct2019)
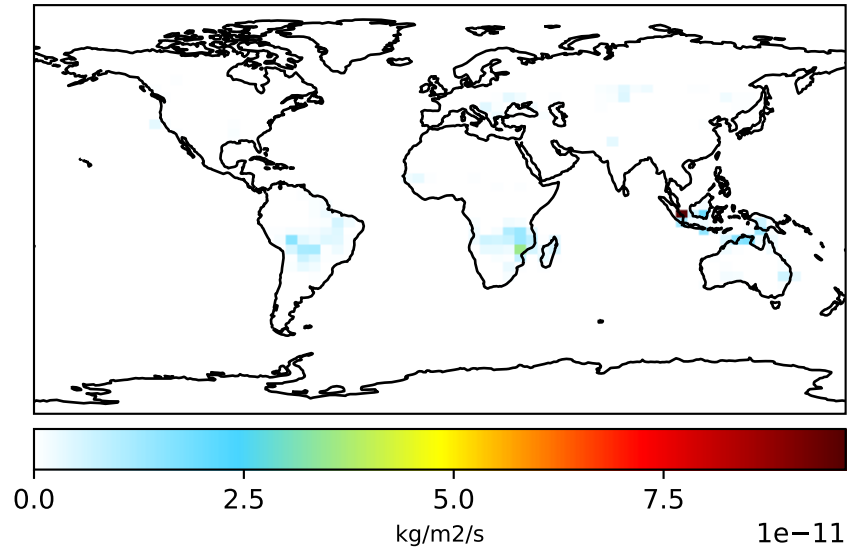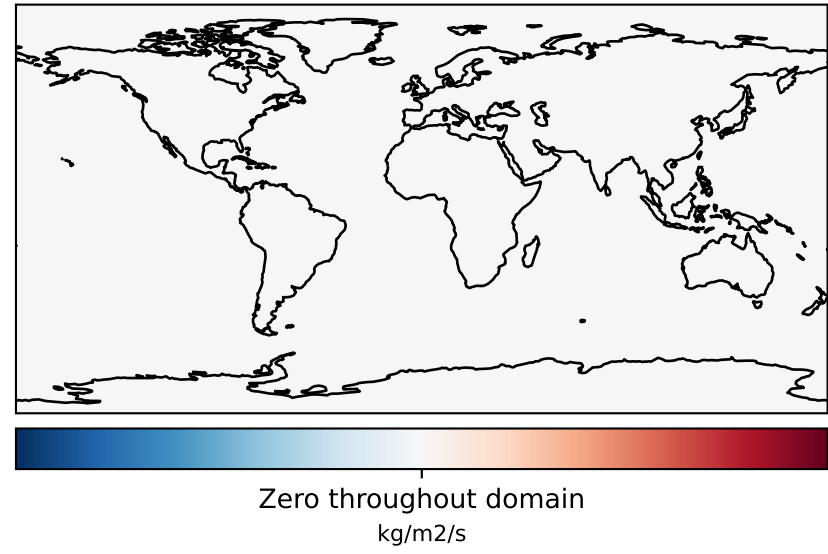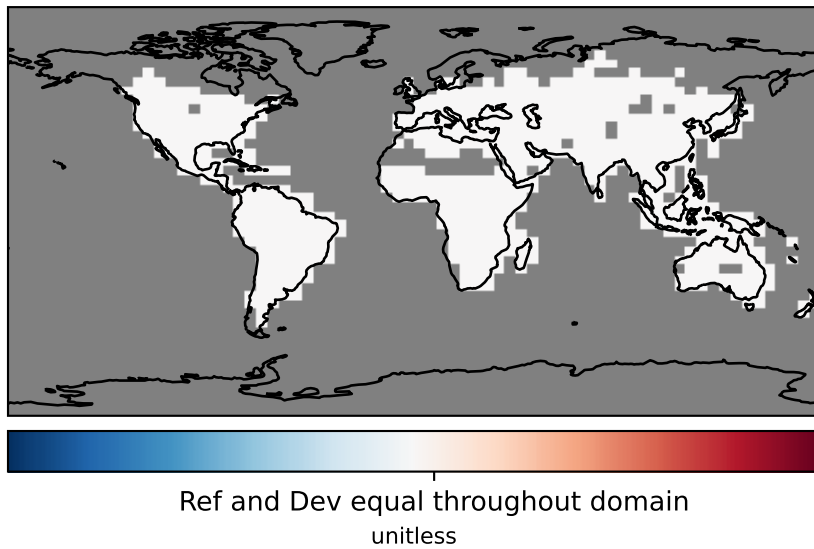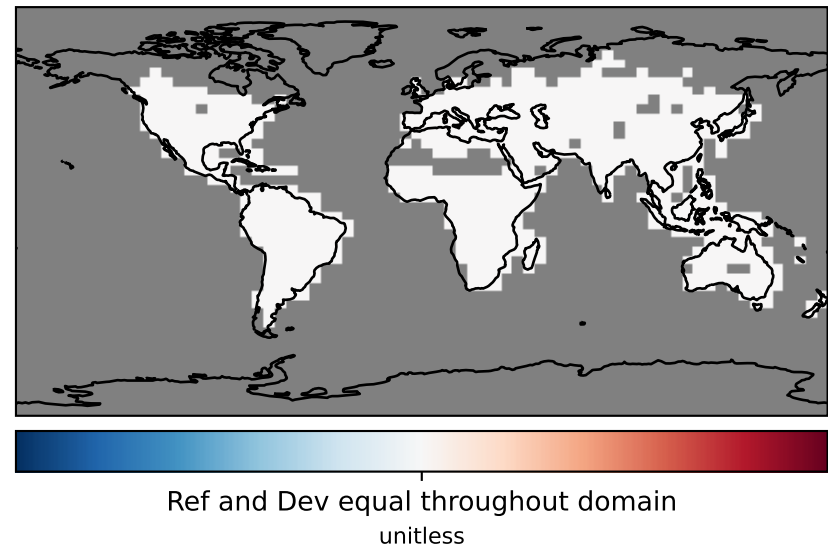
EmisSO2_BioBurn (Oct2019)
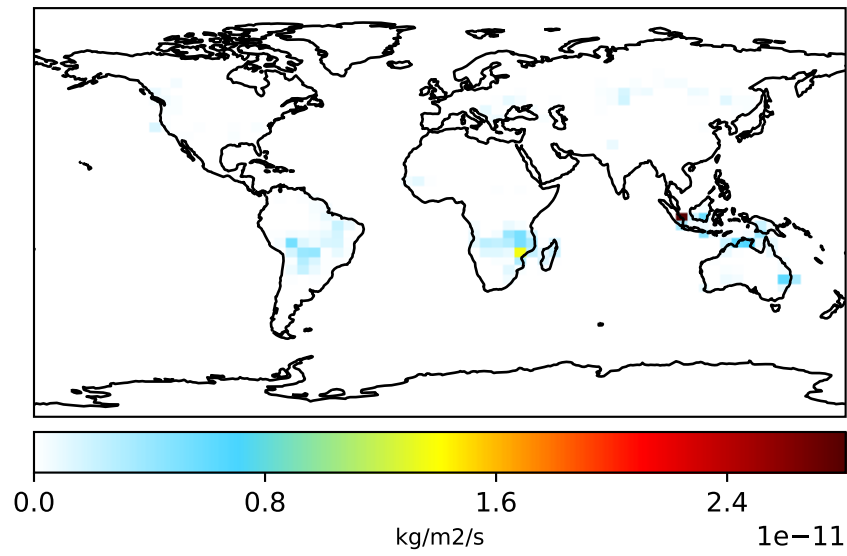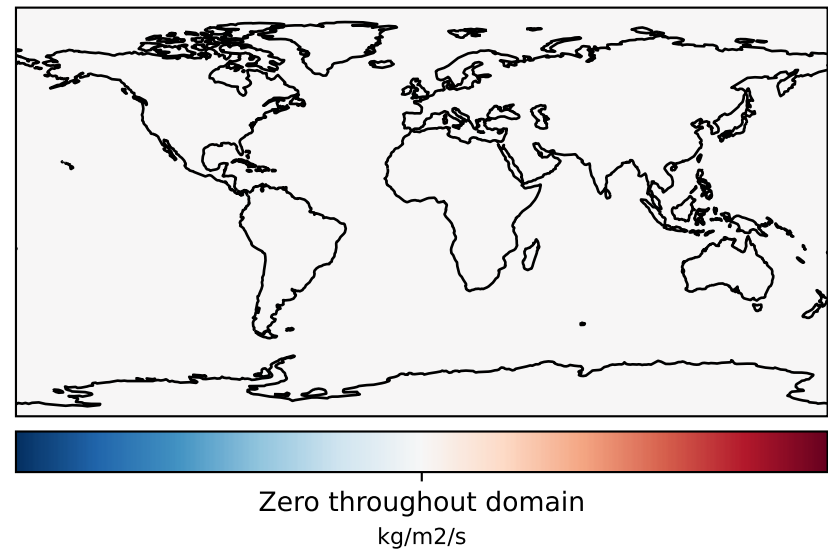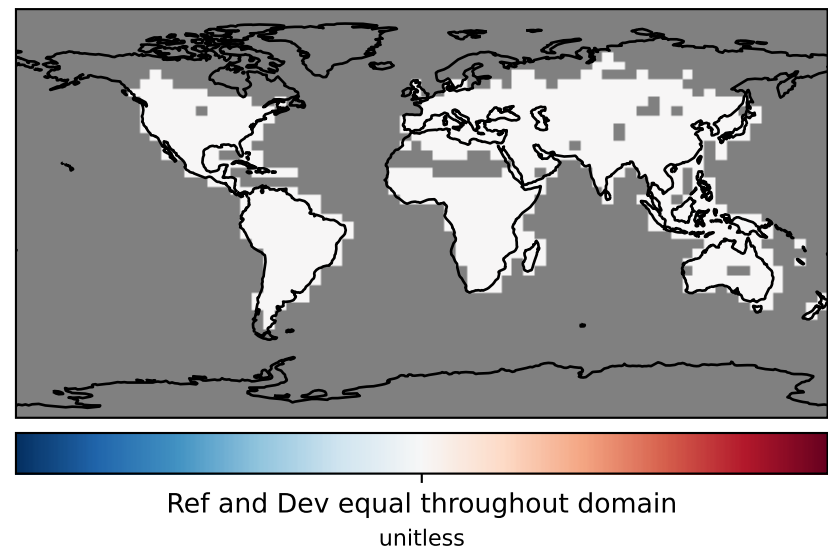
EmisSOAP_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0
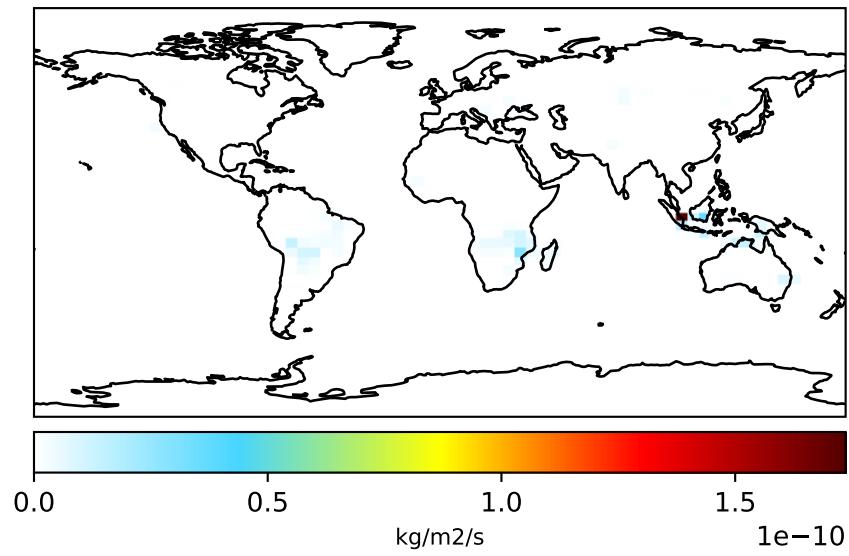
gcc-14.4.0-rc.0 (Dev)
4.0x5.0

kg/m2/s

kg/m2/s

Difference
Dev - Ref, Dynamic Range
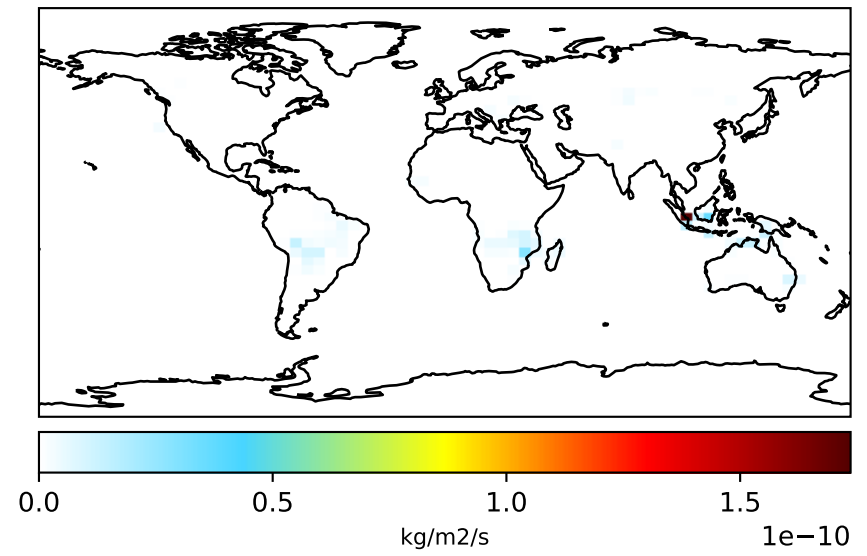
Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless

Ref and Dev equal throughout domain
unitless
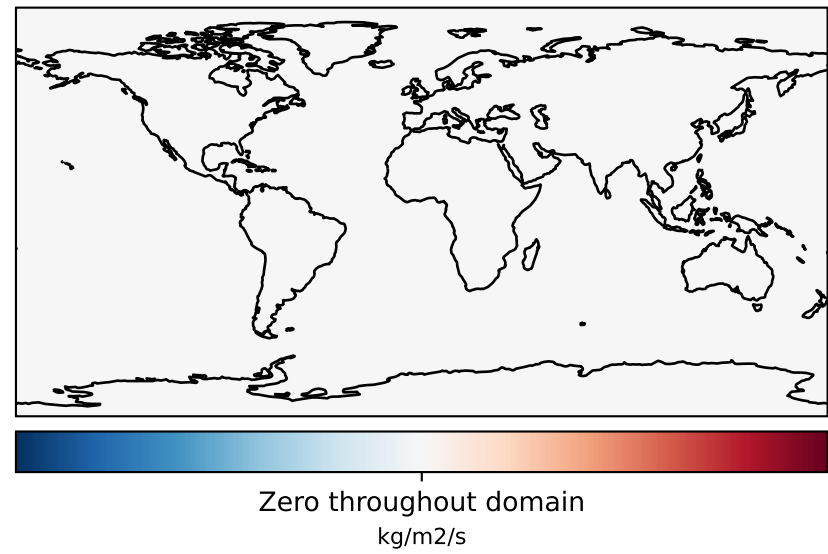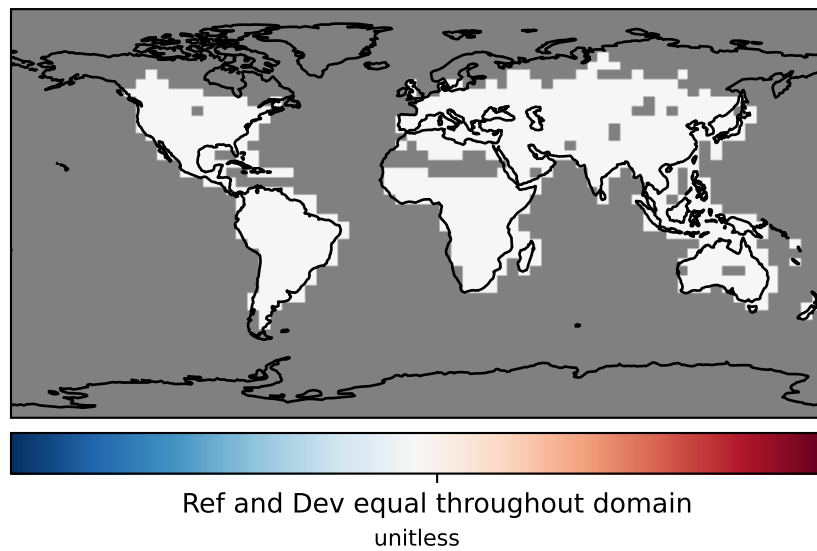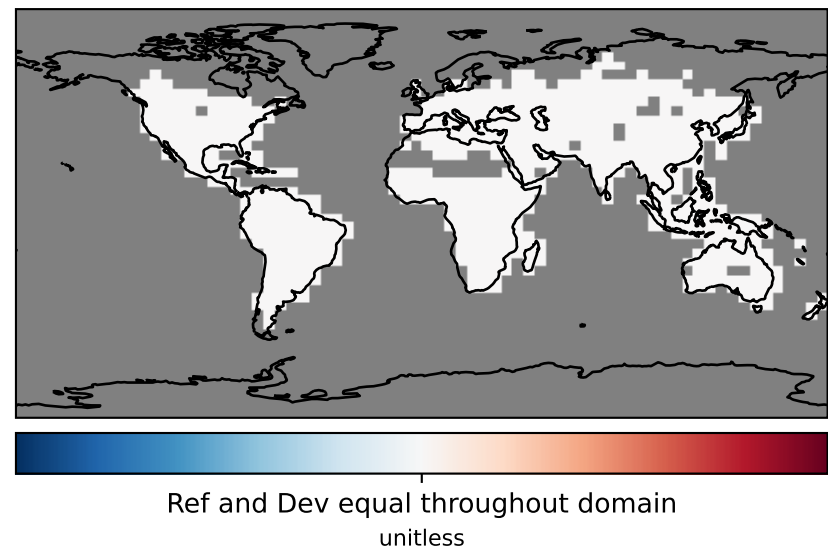
EmisTOLU_BioBurn (Oct2019)
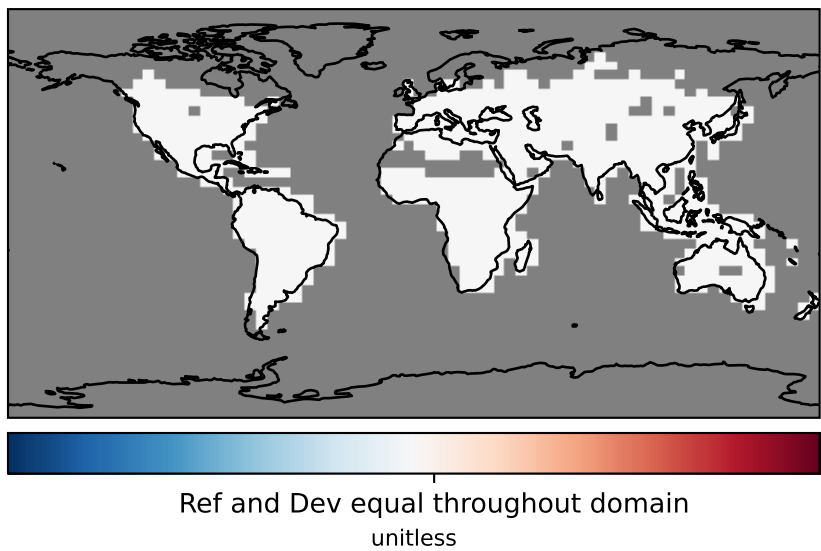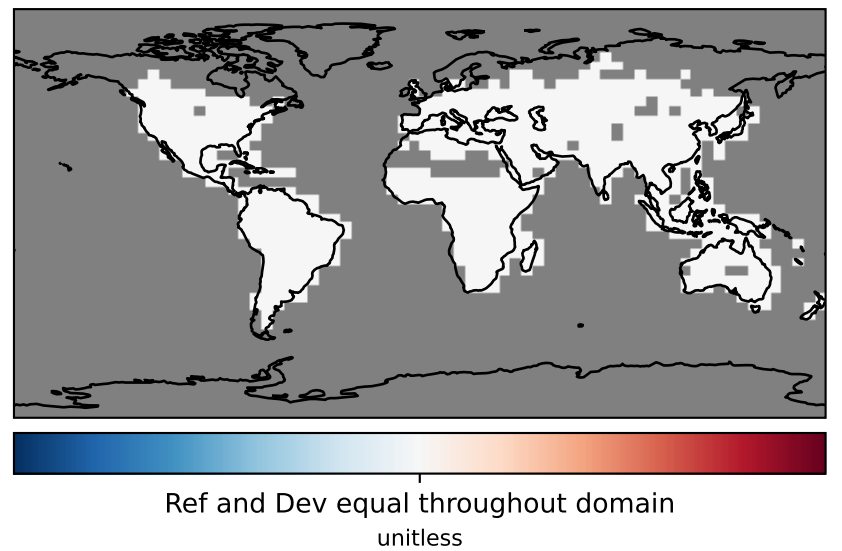
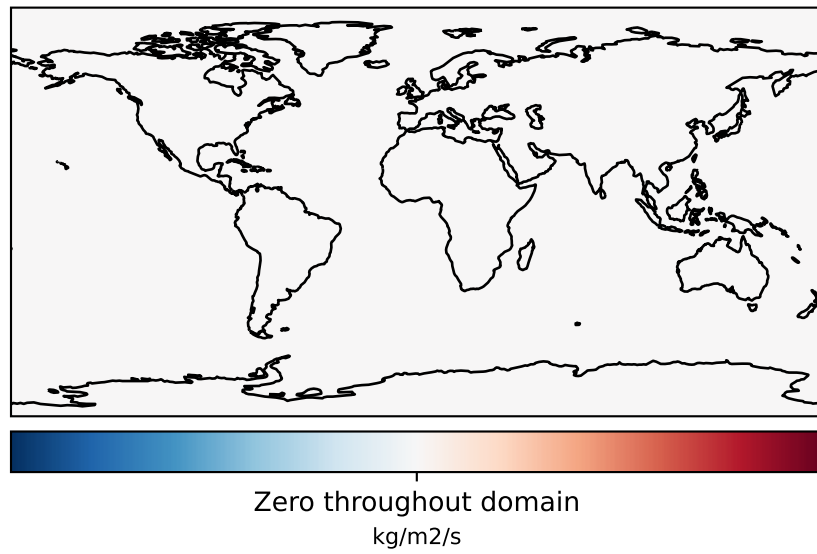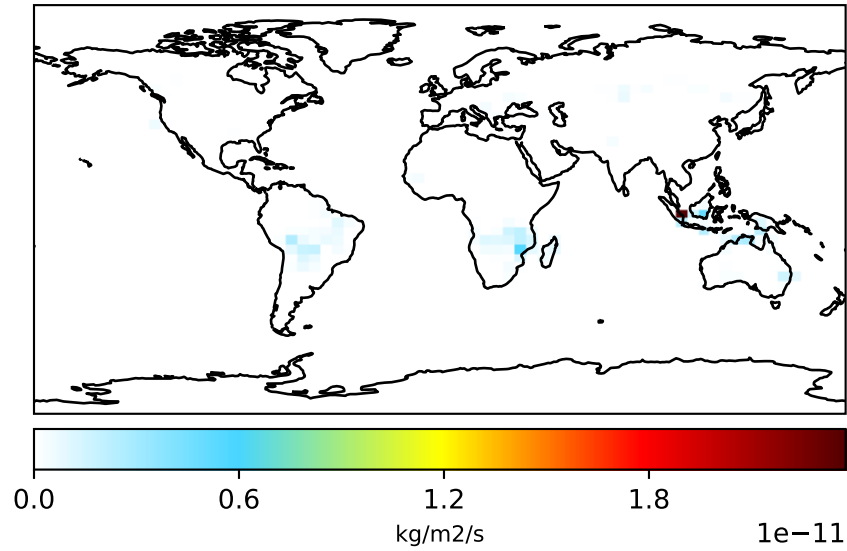# EmisXYLE_BioBurn (Oct2019)

gcc-14.3.0-rc.0 (Ref)
4.0x5.0

gcc-14.4.0-rc.0 (Dev)
4.0x5.0
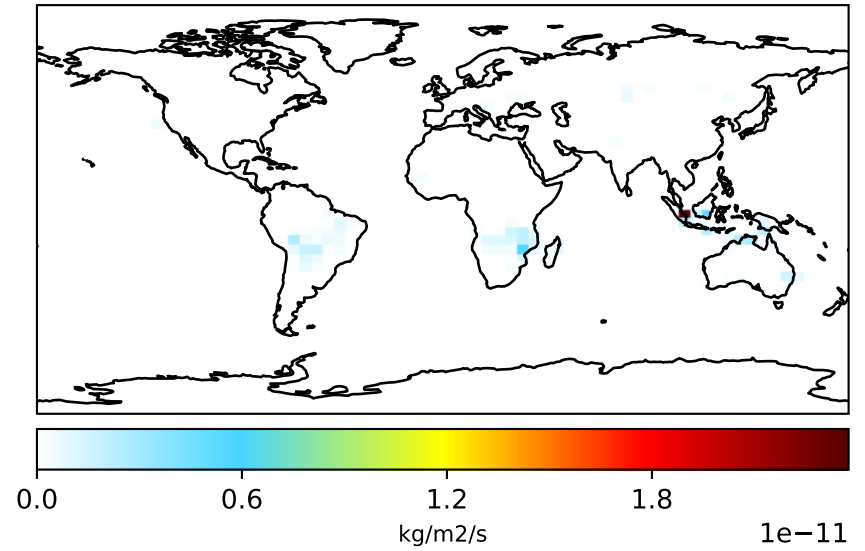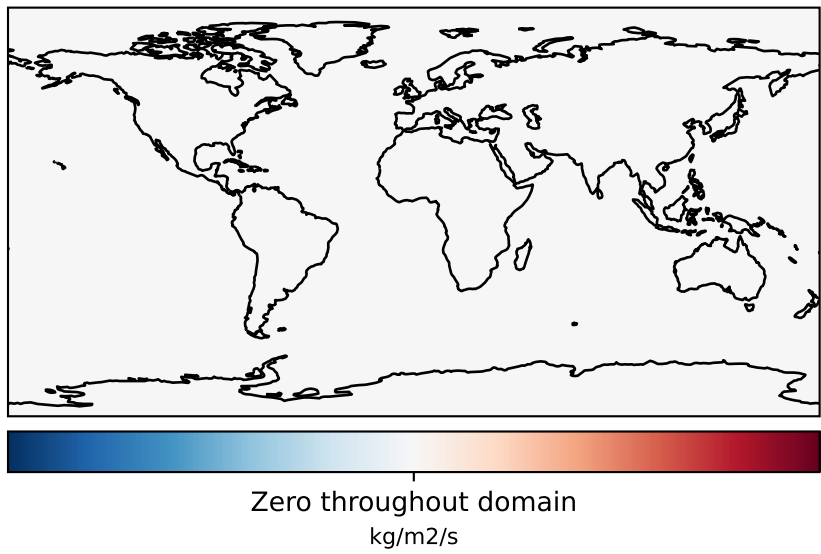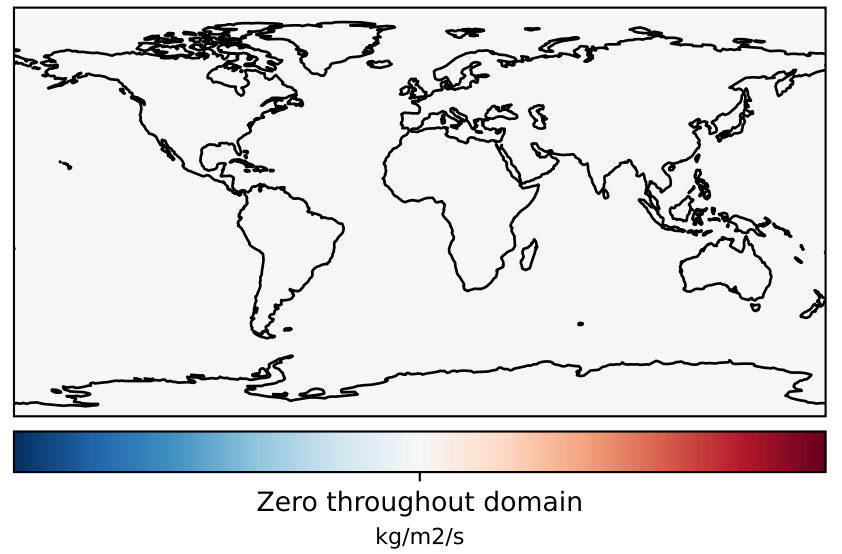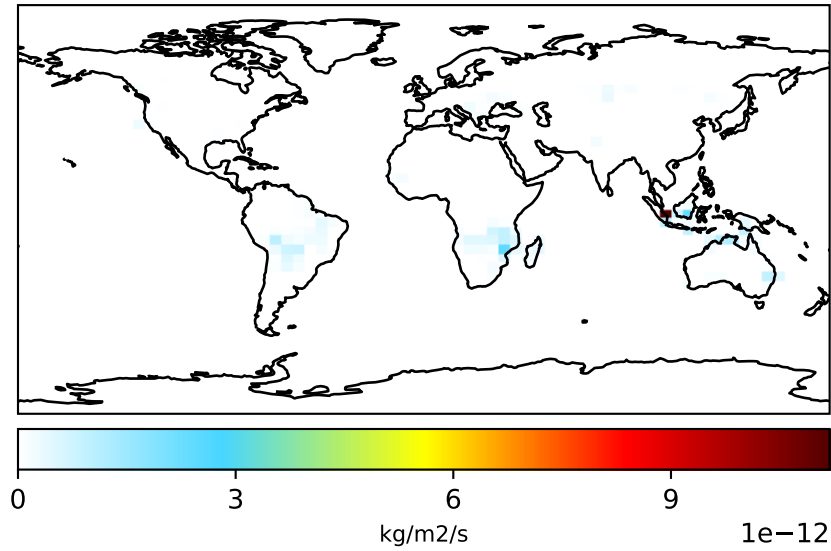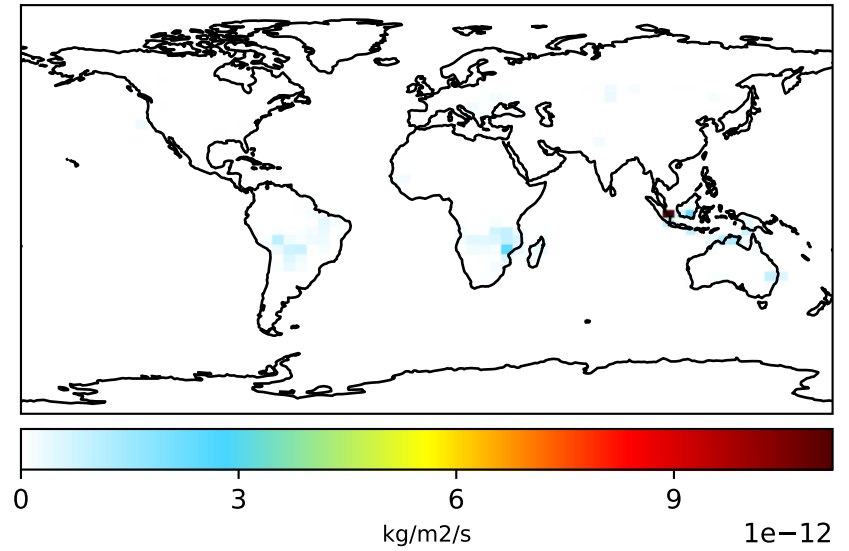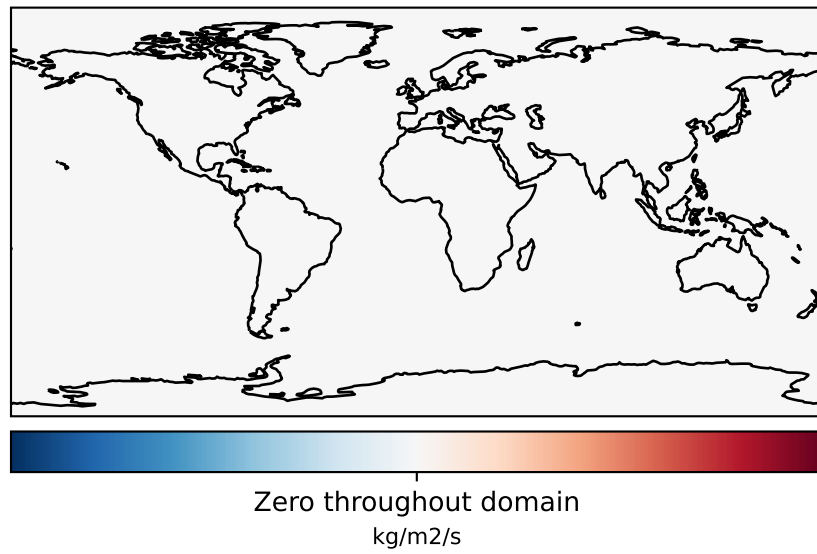
kg/m2/s

Difference
Dev - Ref, Dynamic Range

Difference
Dev - Ref, Restricted Range [5%,95%]

Zero throughout domain
kg/m2/s

Ratio
Dev/Ref, Dynamic Range

Ratio
Dev/Ref, Fixed Range

Ref and Dev equal throughout domain
unitless